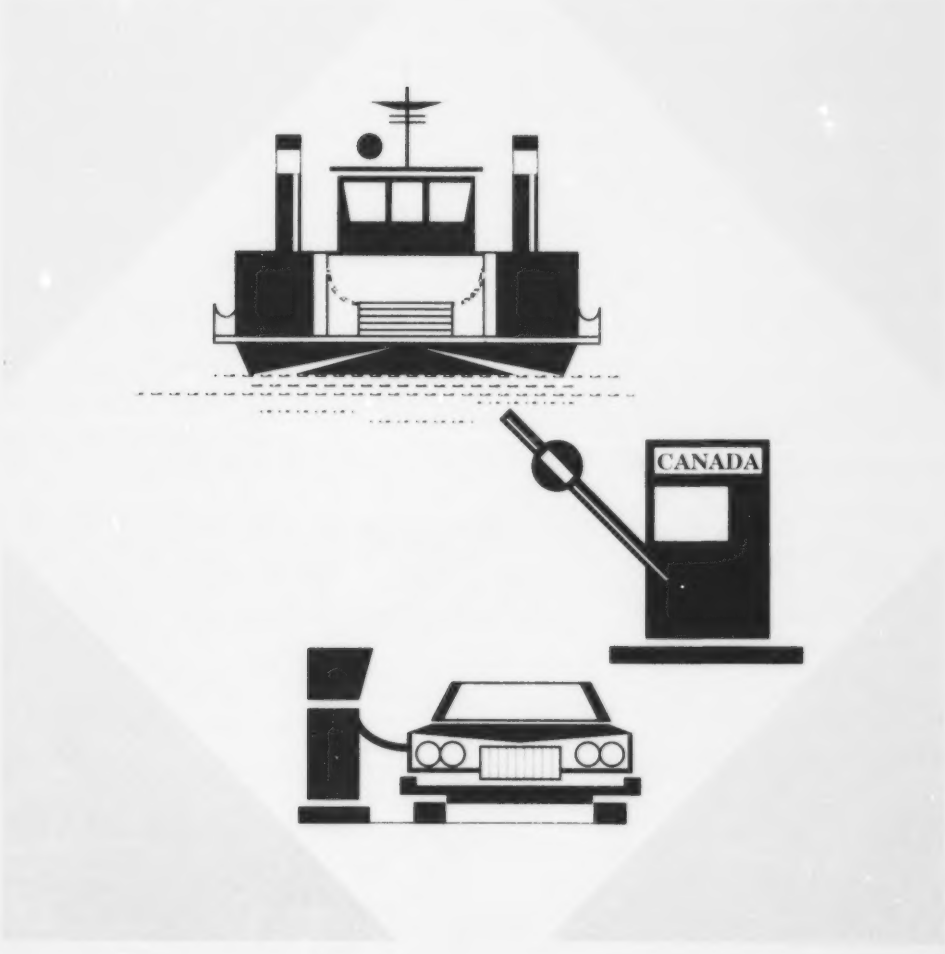
Ministry
of
Transportation
Ontario

Permanent Counting Stations Annual Report 1990

also including:

Ferry Crossings
Border Crossings
Service Centres



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Permanent Counting Stations
Annual Report - 1990

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Permanent Counting Stations

Annual Report 1990

Provincial Highways

Also including:
Ferry Crossings
Border Crossings
Service Centres

Published by:
Highway Planning Office
Ministry of Transportation, Ontario

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PERMANENT COUNTING STATIONS ANNUAL REPORT-1990

USER COMMENT FORM

Your comments and suggestions are solicited with a view to improving this report and determining the demand for its publication. Responses to the following questions are welcome.

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Can the report be improved?

CUT ✂

Comments.

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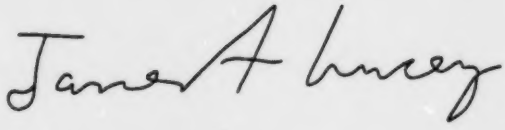
PREFACE

The Permanent Counting Stations Report is an annual publication which is produced mainly for Ministry purposes but is also used quite extensively by municipalities, consulting firms and others.

Reliable, traffic volume and pattern information is essential for the application of traffic engineering techniques in the area of highway planning, operations and research analysis. The automated permanent counting stations are a continuous and diverse source providing traffic characteristics 365 days a year. Detailed hourly directional traffic volume information is stored in a database, from which selected traffic characterstics have been extracted and summarized for this publication. More detailed information may be made available to satisfy "users" specific needs on request. In addition to the permanent count station data, information on ferry crossings, border crossings and freeway service centres is also contained in this report.



J.F. Lucey
Manager
Highway Planning Office

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Permanent Counting Stations
(P C S)

Permanent Counting Stations

(PCS)

Permanent Counting Stations are located at designated sites on the Provincial Highway System. The stations operate throughout the year to gather data, to identify various traffic characteristics and to provide the major traffic patterns found on the Provincial Highway network. These traffic patterns provide the firm foundation necessary for the interpretation and application of short term seasonal count data. Since December 1985, all stations use model 170 controllers with transmission links to a central microcomputer. The Traffic Management and Engineering Office is the custodian for the operation of the Permanent Counting Stations.

1990 Permanent Counting Stations Operation

Twenty-eight PCS stations reported traffic volume and traffic pattern information for the full 1990 calendar year.

INTRODUCTION

In some cases, external factors such as weather, construction, mechanical failure etc., made it necessary to estimate inappropriate or missing hourly volumes. The major periods of estimation are as follows:

PCS Name	PCS No.	Reason	Estimation Period
Homer	002	Detector	one northbound lane and southbound direction, Jan-Dec.
Shelburne	004	Loop out, no hook-up	both directions, Jan-Dec.
Brampton	022	Detector, no loop hook-up	both directions, Jan-Dec.
Dixie	031	Detector	one eastbound lane, Jan-Dec.
Belfield	034	Detector	two westbound lanes, Jan-Dec.
Dunvegan	035	Detector	both directions, Jan-Dec.
Maple	037	Detector	northbound direction, Jan-Dec.
London	045	Loop out, no hook-up	both directions, Jan-Aug.
Thunder Bay	047	Detector	both directions, Jun-Oct.
Ottawa	074	Detector	both directions, Mar, Jul-Dec.
Keele	075	Detector	both directions, Jan-Dec.
Liverpool	077	Detector and Construction	both directions, Jan-Dec.
Kenora	086	Loop-out	both directions, Feb-Mar.
Kirby	091	No loop hook-up	both directions, Jan-Feb.

INTRODUCTION

1990 Permanent Counting Station (P.C.S.) Data Summary

On average, P.C.S. Stations throughout the province reported lower increases as compared to last year. The volumes in 1990 have not increased by the same magnitude as they did in 1989. Generally speaking, the variation in traffic between 1989-1990 ranges between -3.0% and +10.0%.

The Greater Toronto Area (GTA) is showing an overall increase in traffic volumes of approximately 4.2%. In the area of the province east of the GTA, P.C.S. stations show a growth of 2.5% with some reduction in traffic around Port Hope. In the area of the province west of the GTA, a growth of approximately 2.0% is being experienced. Northwestern Ontario registered an average decrease of 0.7%. The Toronto-Sudbury, Toronto-North Bay and Hamilton-Niagara corridors have registered respective growths of about 8.5%, 1.2% and 5.0%.

Five new P.C.S. stations (previously unclassified) have been classified. These are:

PCS NO.	Pattern Types
34 (Belfield)	Urban Commuter
43 (Woodstock)	Intermediate Recreation
45 (London)	Commuter
47 (Thunder Bay)	Low Tourist
86 (Kenora)	Low Recreation

The above reported growth figures are derived from relevant P.C.S. information for respective geographic areas/corridors. These are:

GTA	-Brampton, Dixie, Belfield, Maple Liverpool, Snelgrove, Kirby
East of GTA	-Morrisburg (Rowena), Port Hope Dunvegan, Ottawa, Kaladar
West of GTA	-Grand Bend, Simcoe, Woodstock (Drumbo), London
Northwestern Ontario	-Nipigon, Thunder Bay (Finmark), Kenora
Toronto-Sudbury Corridor	-Port Severn
Toronto-North Bay Corridor	-Gravenhurst
Hamilton Niagara Corridor	-Burlington, Niagara (Homer)

Some changes in the report have been made for better readability, as follows:

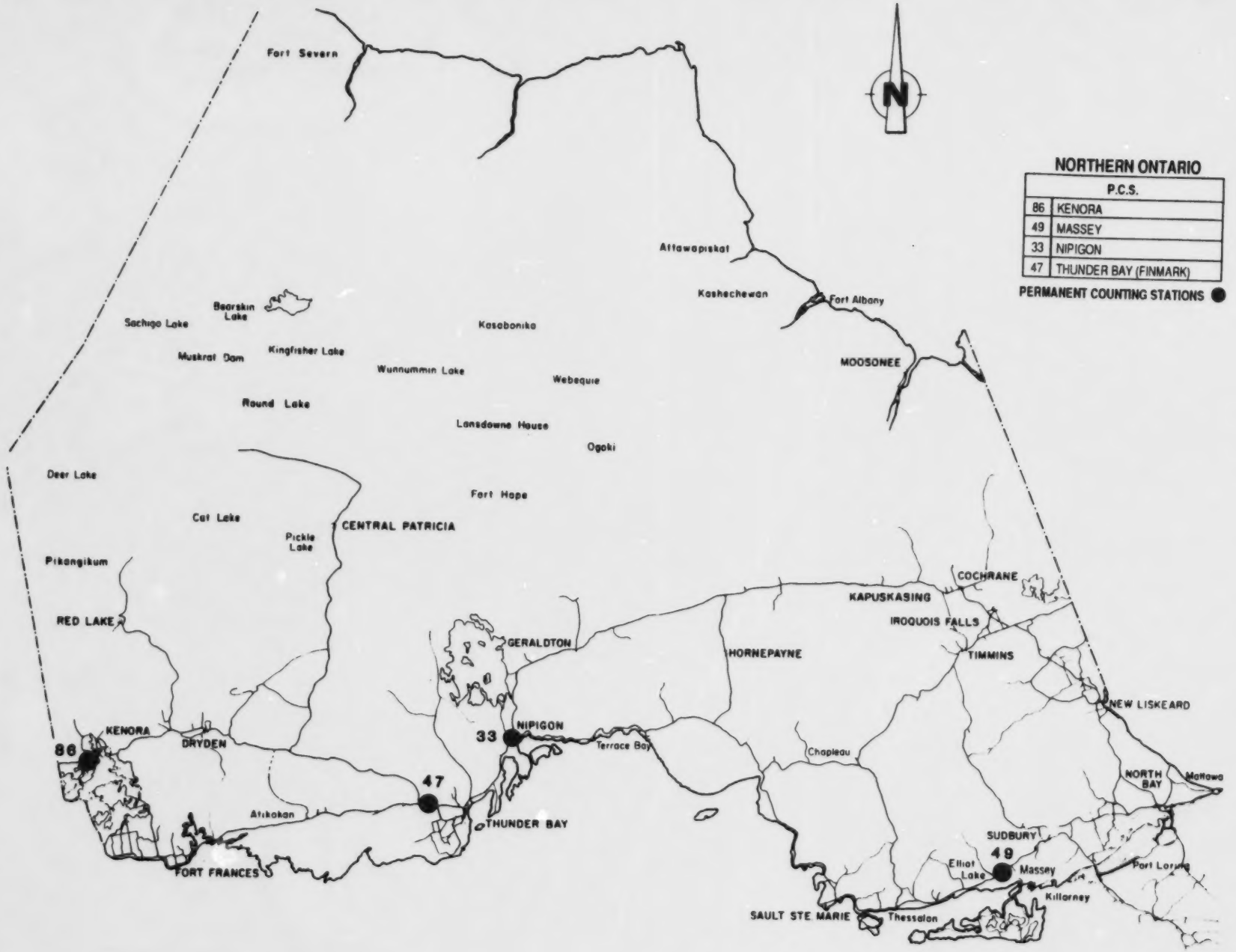
(a) Some P.C.S. names have been changed to reflect more precisely their location, with previously used names in brackets.

(b) Where deemed necessary, secondary location descriptions have been added to help pinpoint the P.C.S. location on the road network.

(c) Instead of reporting ADT factor under the heading "Average Daily", Average Weekday Daily Traffic (AWD) is reported and the heading changed to "Average Volumes". This was done to avoid duplication of factor information, which is available in the factor charts (Appendix B).

(d) Another major change had been done to include a new graph (bar-chart) giving the historical AADT and DHV% information for the last 10 years for each P.C.S. Due to this, the report format for each P.C.S. has changed.

Note: In certain instances, information regarding DHV% is unavailable. Therefore, DHV% may be omitted from the graph.


Fort Severn
Attawapiskat
Kashechewan
Fort Albany
MOOSONEE
Bearskin Lake
Sachigo Lake
Kasabonika
Muskrat Dam
Kingfisher Lake
Wunnummin Lake
Webequie
Round Lake
Lansdowne House
Ogoki
Deer Lake
Fort Hope
Cat Lake
Pickle Lake
CENTRAL PATRICIA
Pikangikum
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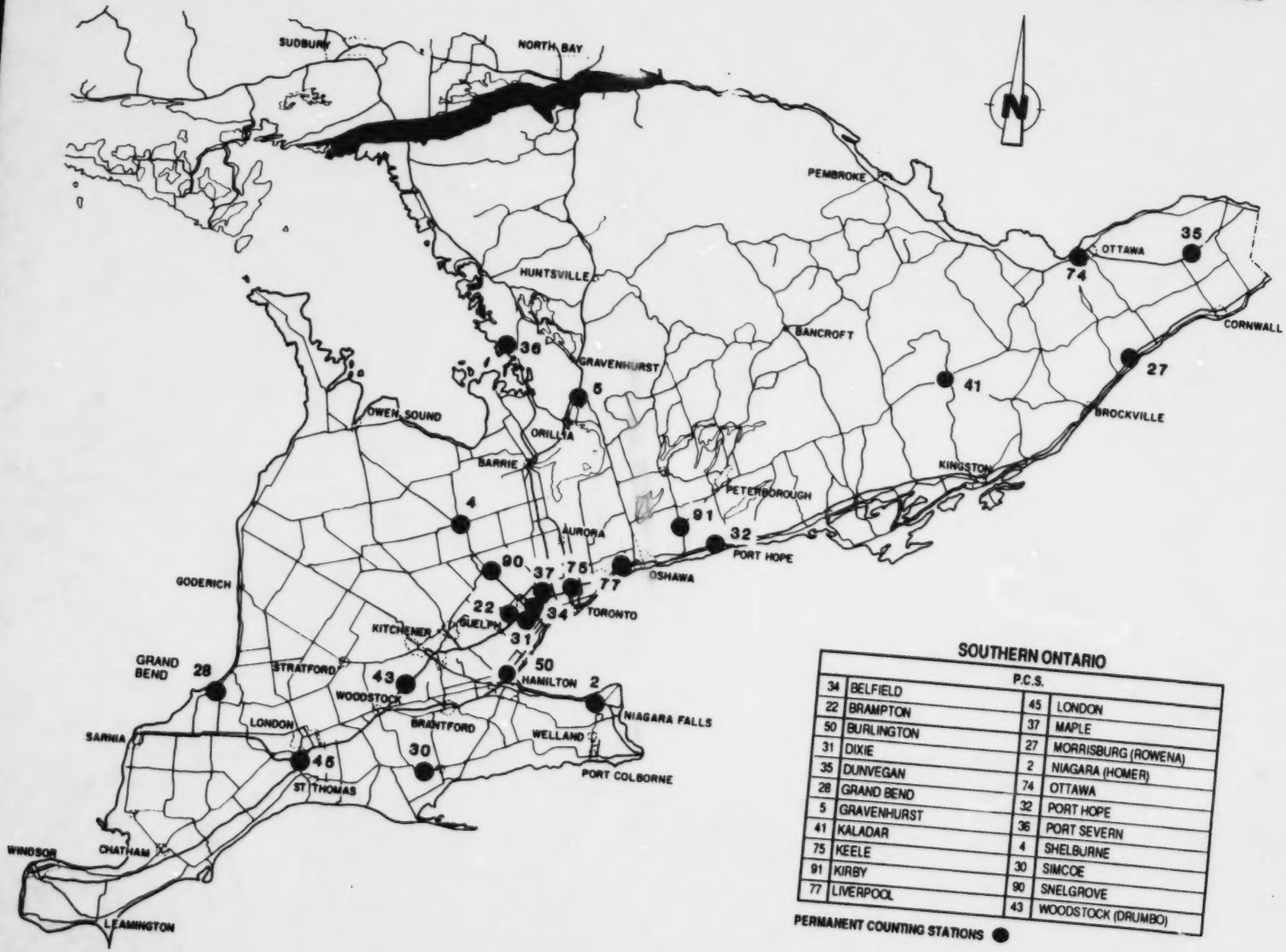
P.C.S.
86 KENORA
49 MASSEY
33 NIPIGON
47 THUNDER BAY (FINMARK)
PERMANENT COUNTING STATIONS



SOUTHERN ONTARIO

P.C.S.		P.C.S.	
34	BELFIELD	45	LONDON
22	BRAMPTON	37	MAPLE
50	BURLINGTON	27	MORRISBURG (ROWENA)
31	DIXIE	2	NIAGARA (HOMER)
35	DUNVEGAN	74	OTTAWA
28	GRAND BEND	32	PORT HOPE
5	GRAVENHURST	36	PORT SEVERN
41	KALADAR	4	SHELBURNE
75	KEELE	30	SIMCOE
91	KIRBY	90	SNELGROVE
77	LIVERPOOL	43	WOODSTOCK (DRUMBO)

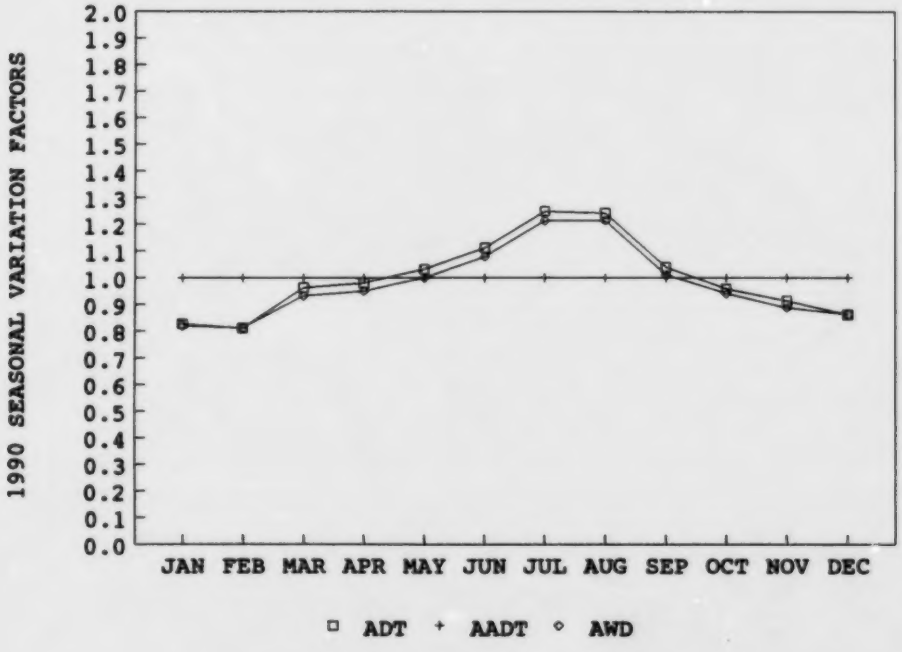
PERMANENT COUNTING STATIONS ●

1990 YEARLY REPORT: PCS 002 – NIAGARA (HOMER)

PCS NAME : NIAGARA (HOMER)
LOCATION : PRIMARY DESC. - 1.5 KM N OF MOUNTAIN RD IC
: SECONDARY DESC. - 1.1 KM S OF HWY 405
HIGHWAY : QEW
LHRS : 10046
OFFSET : 01.50
PATTERN TYPE : COMMUTER TOURIST RECREATION

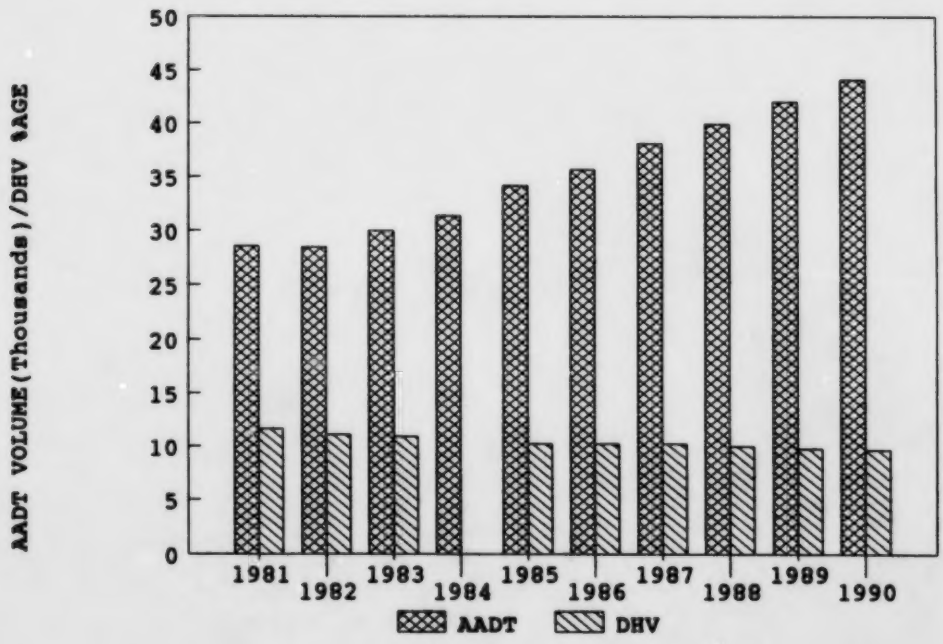
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	36330	36332	FRI	26	42990	FRI	26	17	3391
FEB	35595	36110	FRI	16	42252	WED	7	24	4081
MAR	42535	41383	FRI	16	49374	FRI	16	17	3983
APR	43043	42180	FRI	27	50862	FRI	13	16	4136
MAY	45431	44307	SUN	20	54720	SUN	20	16	4314
JUN	48417	47852	SAT	30	66814	SAT	30	12	4609
JUL	55053	53744	SUN	1	62892	SUN	22	15	4669
AUG	54589	53833	SUN	5	67486	SUN	5	14	4695
SEP	45935	44839	SAT	1	57337	SAT	1	9	4206
OCT	42496	41737	FRI	12	52275	SUN	7	11	3777
NOV	40265	39389	FRI	23	46678	FRI	23	17	3775
DEC	37982	38281	FRI	21	46595	MON	24	15	3617
Annual Maximum =			SUN AUG 5		67486	SUN AUG 5		14	4695

30TH HIGHEST HOUR (DHV) = 4252 9.7% OF AADT
SUN JUL 8 10:00-11:00



HISTORICAL DATA: PCS 002 – NIAGARA (HOMER)

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	28564	- 0.6	49480	3718	3306	11.6
1982	28480	- 0.3	47297	3563	3174	11.1
1983	29980	+ 5.3	48913	3537	3266	10.9
1984	31337	+ 4.5	49297	N/A	N/A	N/A
1985	34147	+ 9.0	54433	3820	3498	10.2
1986	35649	+ 4.4	58939	4425	3651	10.2
1987	38044	+ 6.7	60725	4283	3864	10.2
1988	39858	+ 4.8	64472	4484	3971	10.0
1989	41974	+ 5.3	65513	4557	4097	9.8
1990	44037	+ 4.9	67486	4695	4252	9.7

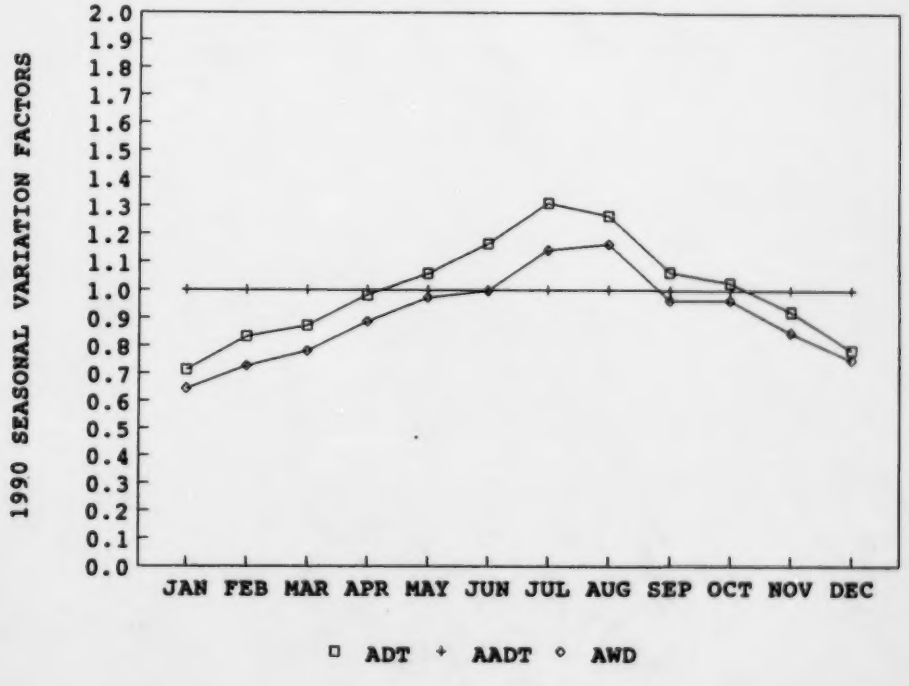


1990 YEARLY REPORT: PCS 004 – SHELBURNE

PCS NAME : SHELBURNE
LOCATION : 1.8 KM W OF E JCT HWY 89
HIGHWAY : 010
LHRS : 16520
OFFSET : 01.80
PATTERN TYPE : INTERMEDIATE RECREATION

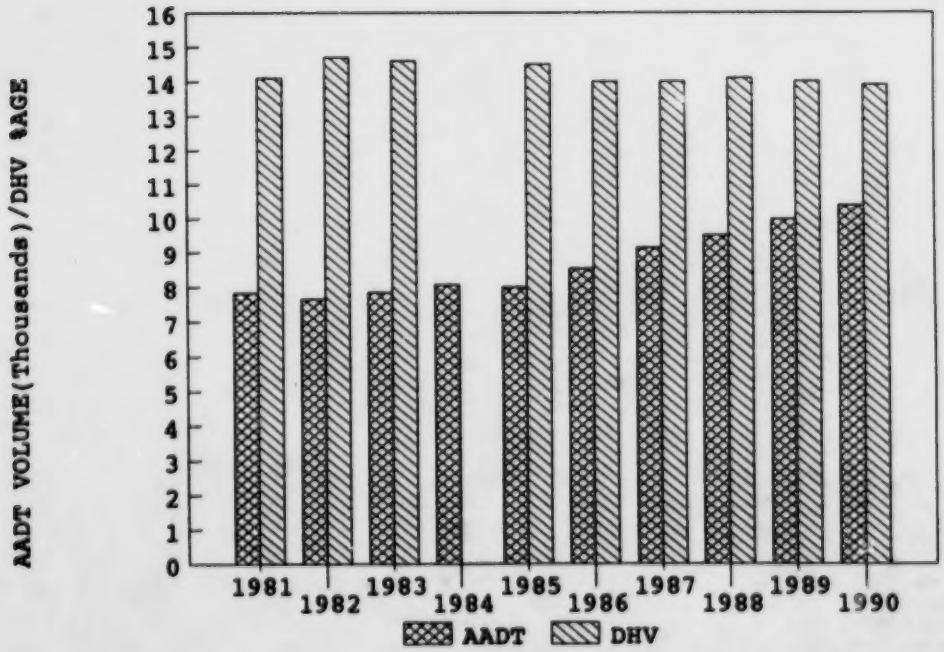
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	7347	6683	FRI	26	9648	SUN	21	17	941
FEB	8637	7545	FRI	16	10970	SUN	4	18	1207
MAR	9076	8105	SAT	31	10675	FRI	16	18	1035
APR	10159	9216	SUN	29	14309	SUN	29	18	1254
MAY	10969	10087	MON	21	16303	MON	21	16	1717
JUN	12039	10347	FRI	22	17179	FRI	22	20	1571
JUL	13629	11831	SAT	28	17286	SAT	28	12	1720
AUG	13063	12059	FRI	3	17471	SAT	4	12	1597
SEP	11080	10004	MON	3	16551	MON	3	18	1602
OCT	10644	10004	MON	8	16278	MON	8	15	1725
NOV	9584	8801	FRI	2	11759	FRI	2	18	1040
DEC	8182	7784	FRI	14	9912	TUE	25	17	1007
			FRI AUG	3	17471	MON OCT	8	15	1725

30TH HIGHEST HOUR (DHV) = 1445 13.9% OF AADT
MON AUG 6 18:00-19:00



HISTORICAL DATA: PCS 004 – SHELBURNE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	7838	+ 1.2	16788	1489	1105	14.1
1982	7650	- 2.4	15122	1379	1122	14.7
1983	7851	+ 2.6	15162	1438	1146	14.6
1984	8075	+ 2.9	15402	N/A	N/A	N/A
1985	8011	- 0.8	14172	1468	1162	14.5
1986	8538	+ 6.6	14588	1441	1199	14.0
1987	9145	+ 7.1	15697	1516	1278	14.0
1988	9499	+ 3.9	16600	1591	1340	14.1
1989	9975	+ 5.0	16941	1667	1395	14.0
1990	10378	+ 4.0	17471	1725	1445	13.9

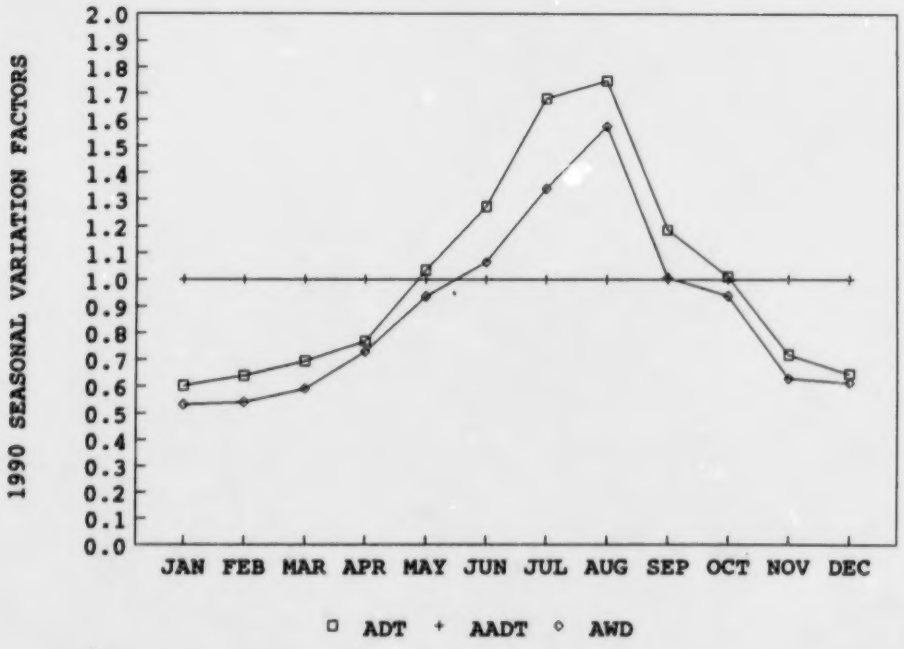


1990 YEARLY REPORT: PCS 005 – GRAVENHURST

PCS NAME : GRAVENHURST
LOCATION : PRIMARY DESC. - 3.9 KM N OF SEVERN RIVER BRIDGE
: SECONDARY DESC. - 12.0 KM S OF N JCT HWY 169
HIGHWAY : 011
LHRS : 17025
OFFSET : 03.9
PATTERN TYPE : LOW RECREATION

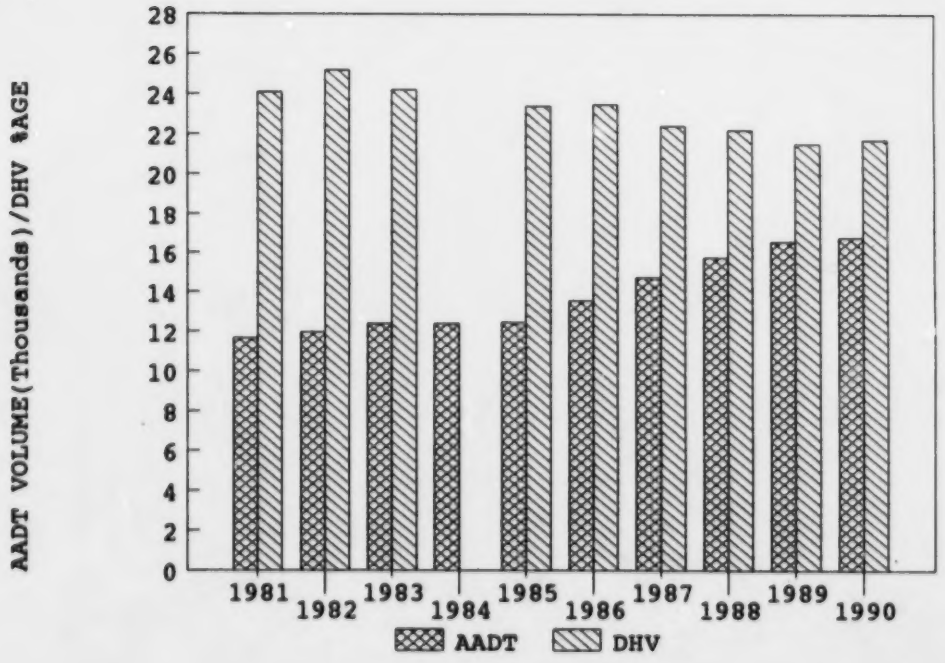
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	10087	8896	FRI	26	14820	SUN	28	16	1638
FEB	10684	9047	FRI	9	15488	SUN	11	17	1761
MAR	11607	9901	FRI	16	16150	SUN	18	16	1677
APR	12815	12196	FRI	13	20473	FRI	13	12	2371
MAY	17322	15698	FRI	18	36344	MON	21	15	3666
JUN	21246	17825	FRI	29	44361	FRI	29	17	3729
JUL	28003	22466	MON	2	43289	SUN	15	17	4125
AUG	28954	26386	FRI	3	46893	MON	6	13	4138
SEP	20055	16870	MON	3	44062	MON	3	14	3867
OCT	16815	15731	MON	8	39470	MON	8	14	4146
NOV	11996	10521	SUN	4	18113	SUN	4	16	1934
DEC	10831	10253	WED	26	16378	WED	26	15	2264
			FRI AUG	3	46893	MON OCT	8	14	4146

30TH HIGHEST HOUR (DHV) = 3628 21.7 % OF AADT
SAT AUG 04 10:00-11:00



HISTORICAL DATA: PCS 005 – GRAVENHURST

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	11647	- 5.1	36823	3637	2803	24.1
1982	11921	+ 2.4	42861	3587	2999	25.2
1983	12381	+ 3.9	42328	3650	2999	24.2
1984	12372	- 0.1	40355	N/A	N/A	N/A
1985	12445	+ 0.6	37992	3771	2915	23.4
1986	13534	+ 8.8	40255	3842	3184	23.5
1987	14731	+ 8.8	43159	4570	3307	22.4
1988	15734	+ 6.8	46269	4153	3491	22.2
1989	16549	+ 5.2	48010	4200	3563	21.5
1990	16753	+ 1.2	46893	4146	3628	21.7

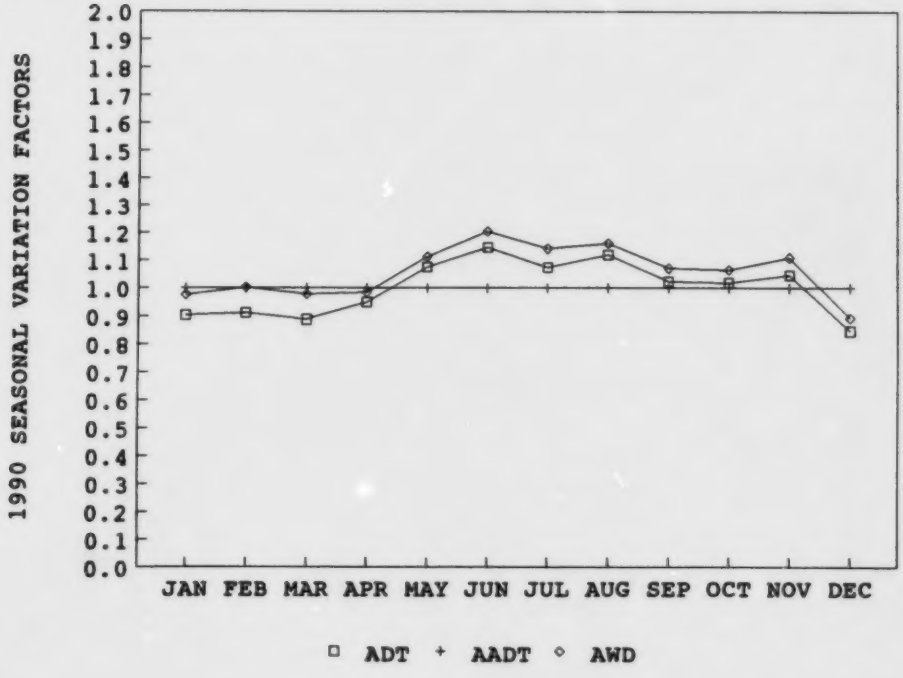


1990 YEARLY REPORT: PCS 022 – BRAMPTON

PCS NAME : BRAMPTON
LOCATION : 0.5 KM W OF HWY 50
HIGHWAY : 007
LHRS : 14470
OFFSET : 00.50
PATTERN TYPE : SUBURBAN COMMUTER

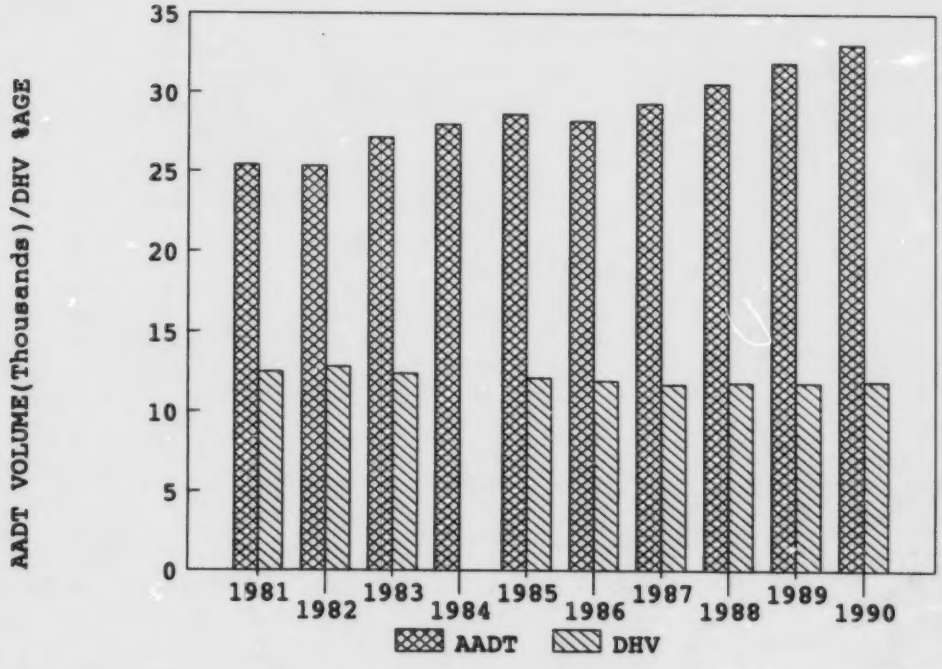
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	29552	32235	FRI	26	35388	TUE	23	8	3587
FEB	30134	33128	FRI	23	35608	MON	12	8	3710
MAR	29609	32302	FRI	30	35711	FRI	23	17	3390
APR	31023	32533	FRI	27	39748	MON	30	8	3871
MAY	35494	36798	FRI	25	41937	THU	31	8	4070
JUN	38179	39873	FRI	29	46327	WED	20	8	4255
JUL	35185	37757	FRI	13	42818	WED	4	8	3919
AUG	37297	38418	FRI	17	44126	THU	2	8	3922
SEP	33616	35409	FRI	7	41111	TUE	25	8	3782
OCT	33664	35211	FRI	5	41231	WED	31	8	3945
NOV	34891	36699	FRI	2	41738	WED	7	8	4105
DEC	27997	29524	FRI	14	36802	FRI	21	8	3589
			FRI	29	JUN 46327	WED	JUN 20	8	4255

30TH HIGHEST HOUR (DHV) = 3945 11.9% OF AADT
WED OCT 31 07:00-08:00



HISTORICAL DATA: PCS 022 – BRAMPTON

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	25372	+ 7.2	32461	3577	3172	12.5
1982	25307	- 0.3	31193	3401	3230	12.8
1983	27131	+ 7.2	33886	3637	3370	12.4
1984	27959	+ 3.1	39822	N/A	N/A	N/A
1985	28606	+ 2.3	41074	3885	3455	12.1
1986	28192	- 1.4	38779	3649	3343	11.9
1987	29312	+ 4.0	39215	3860	3435	11.7
1988	30573	+ 4.3	41716	3807	3606	11.8
1989	31927	+ 4.4	43938	4022	3764	11.8
1990	33062	+ 3.6	46327	4255	3945	11.9

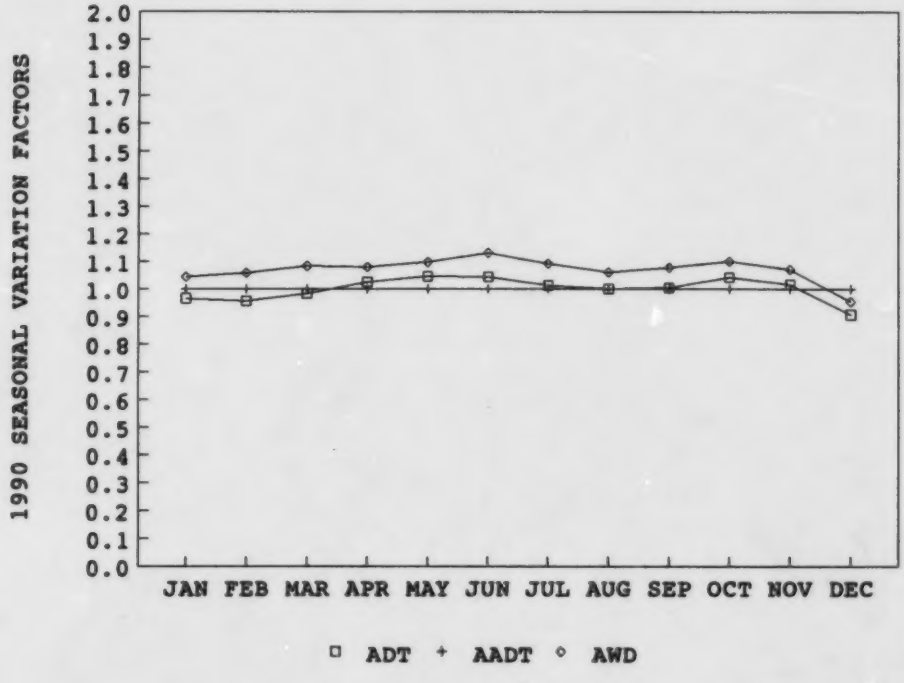


1990 YEARLY REPORT: PCS 024 – KEELE EAST RAMP

PCS NAME : KEELE EAST RAMP
LOCATION : KEELE ST NB TO HWY 401 EB
HIGHWAY : 401
LHRS : 47654
OFFSET : 01.90
PATTERN TYPE : EAST RAMP

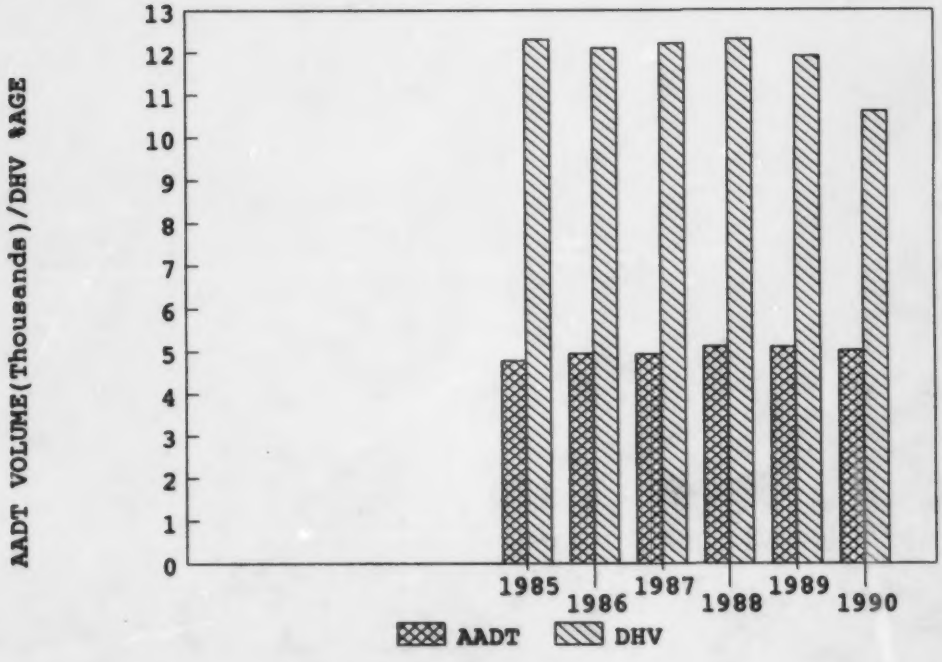
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	4834	5228	WED	31	5571	FRI	12	9	551
FEB	4792	5303	THU	15	5454	TUE	6	8	529
MAR	4964	5423	FRI	23	5694	TUE	20	8	532
APR	5096	5408	WED	25	6057	WED	18	8	531
MAY	5232	5498	FRI	4	6027	TUE	15	9	543
JUN	5277	5674	THU	14	6210	THU	14	19	585
JUL	5028	5473	WED	11	6340	FRI	13	9	500
AUG	5048	5318	FRI	31	6091	WED	15	8	515
SEP	5002	5393	FRI	28	6168	MON	10	8	562
OCT	5221	5508	FRI	5	6108	WED	10	9	569
NOV	5127	5368	FRI	2	5881	TUE	13	8	545
DEC	4518	4781	TUE	18	5914	TUE	4	9	520
			WED JUL	11	6340	THU JUN	14	19	585

30TH HIGHEST HOUR (DHV) = 529 10.6% OF AADT
MON JUN 11 17:00-18:00



HISTORICAL DATA: PCS 024 – KEELE EAST RAMP

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1985	4786	N/A	6260	660	590	12.3
1986	4939	+ 3.2	7020	680	600	12.1
1987	4928	- 0.2	6923	750	600	12.2
1988	5105	+ 3.6	7096	758	628	12.3
1989	5090	- 0.3	6852	680	608	11.9
1990	5012	- 1.5	6340	585	529	10.6

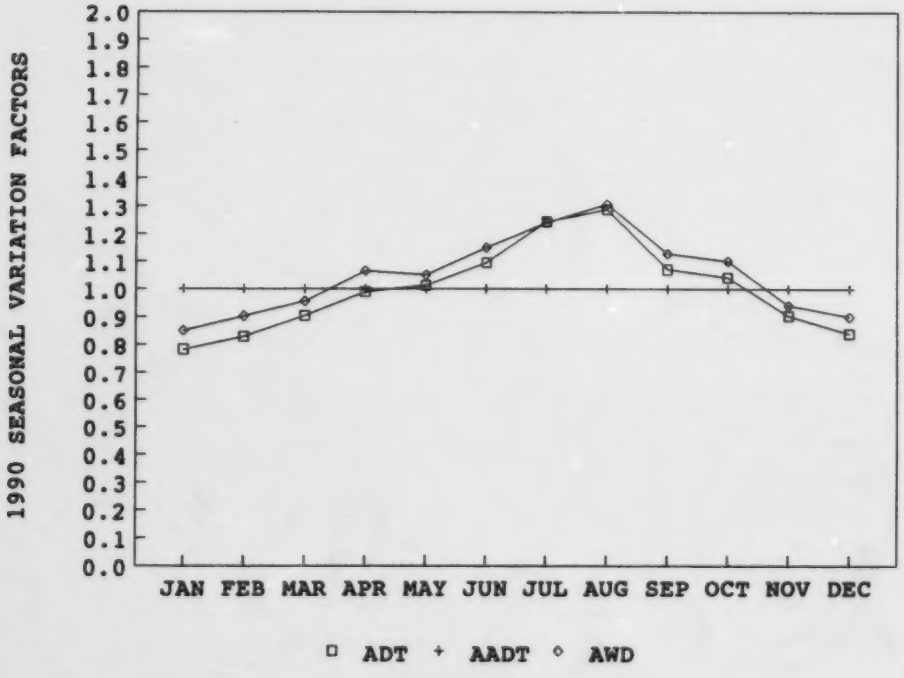


1990 YEARLY REPORT: PCS 027 – MORRISBURG (ROWENA)

PCS NAME : MORRISBURG (ROWENA)
LOCATION : 6.8 KM W OF HWY 31
HIGHWAY : 401
LHRS : 47300
OFFSET : 06.80
PATTERN TYPE : INTERMEDIATE TOURIST

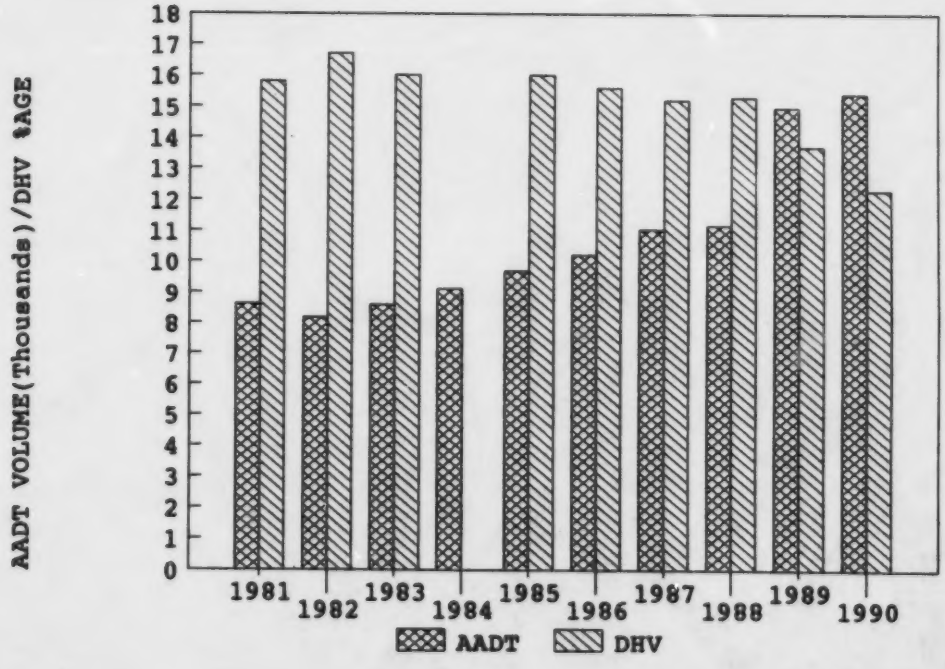
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	11981	13106	TUE	2	14992	TUE	2	16	1431
FEB	12735	13907	FRI	23	15803	FRI	23	18	1095
MAR	14020	14739	FRI	16	18721	FRI	16	17	1384
APR	15099	16417	MON	16	23980	FRI	13	12	2266
MAY	15567	16202	FRI	18	24908	MON	21	16	2223
JUN	16955	17680	FRI	29	25751	SUN	10	19	1798
JUL	19049	19082	MON	2	23852	MON	2	16	2068
AUG	19656	20114	FRI	3	27702	MON	6	16	2020
SEP	16646	17372	MON	3	26775	MON	3	17	2484
OCT	15944	16957	FRI	5	27840	MON	8	17	2711
NOV	13979	14523	FRI	2	17920	FRI	16	17	1294
DEC	12954	13861	SAT	22	19205	WED	26	15	1847
			FRI OCT 5		27840	MON OCT 8		17	2711

30TH HIGHEST HOUR (DHV) = 1897 12.3% OF AADT
FRI AUG 3 17:00-18:00



HISTORICAL DATA: PCS 027 – MORRISBURG (ROWENA)

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	8628	- 0.7	21341	1898	1360	15.8
1982	8181	- 5.2	20329	1828	1368	16.7
1983	8575	+ 4.8	20789	2091	1370	16.0
1984	9110	+ 6.2	21764	N/A	N/A	N/A
1985	9687	+ 6.3	22144	2372	1547	16.0
1986	10204	+ 5.3	22303	2372	1589	15.6
1987	11038	+ 8.2	24064	2560	1681	15.2
1988	11180	+ 1.3	24518	2635	1714	15.3
1989	14965	+ 33.9	28556	2742	2055	13.7
1990	15401	+ 2.9	27840	2711	1897	12.3

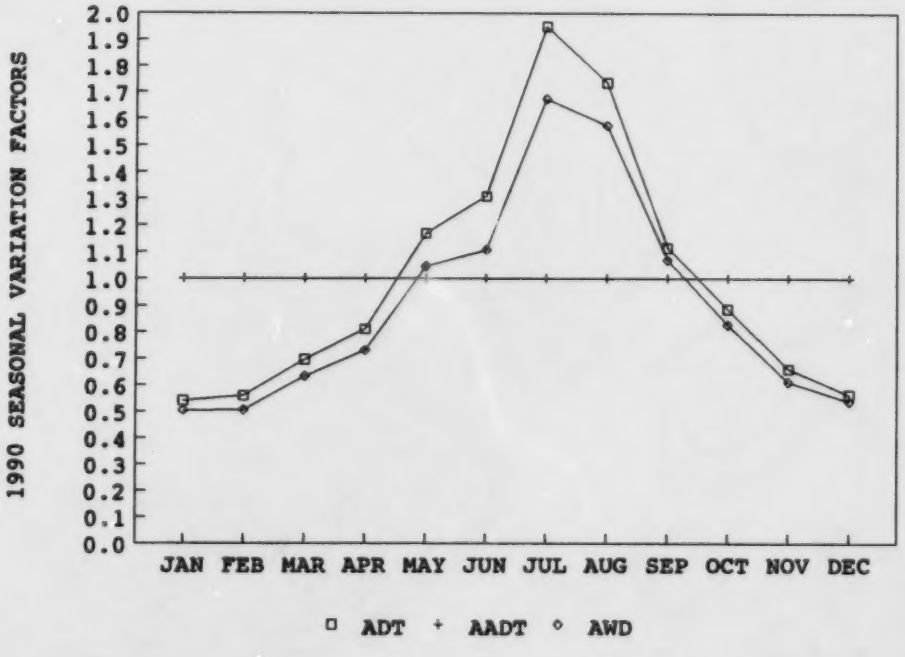


1990 YEARLY REPORT: PCS 028 – GRAND BEND

PCS NAME : GRAND BEND
LOCATION : PRIMARY DESC. - 5.2 KM N OF HWY 79
: SECONDARY DESC. - 1.7 KM S OF LAMBTON RD 5
HIGHWAY : 021
LHRS : 24030
OFFSET : 05.20
PATTERN TYPE : HIGH RECREATION

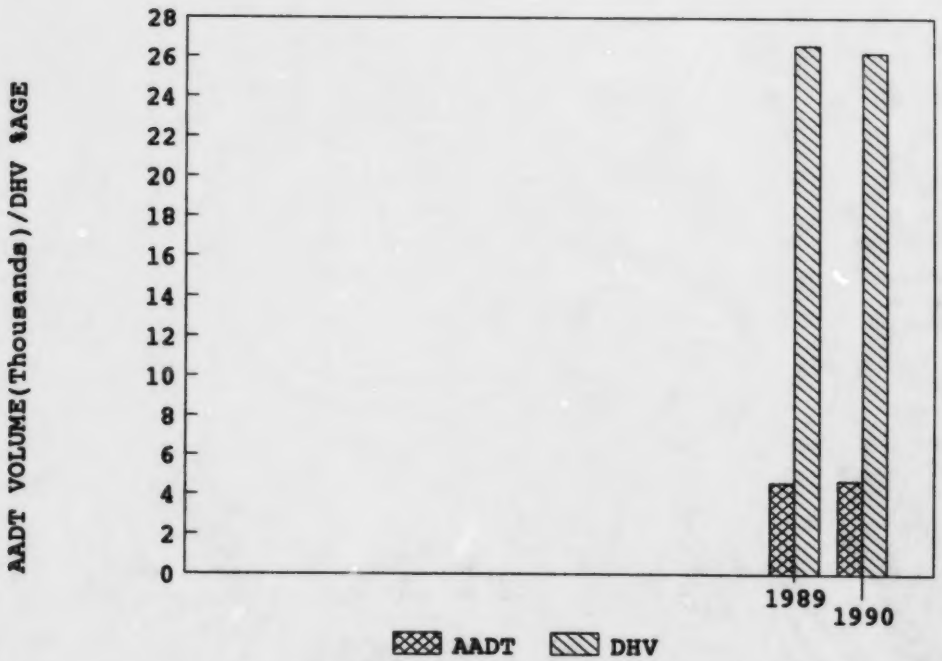
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	2551	2387	SUN	28	3572	SUN	28	16	443
FEB	2633	2392	SUN	11	4237	SUN	11	17	549
MAR	3280	2991	SUN	25	5747	SUN	25	15	787
APR	3811	3443	SUN	29	7180	SUN	29	17	817
MAY	5525	4929	SUN	20	14647	SUN	20	16	1440
JUN	6034	5222	SAT	30	10864	SUN	17	15	1040
JUL	9227	7901	SUN	1	17414	SUN	1	14	1548
AUG	8120	7429	SUN	5	12218	SUN	12	15	1301
SEP	5290	5042	SUN	2	14551	SUN	2	14	1322
OCT	4147	3901	SUN	7	7000	SUN	14	13	877
NOV	3112	2882	FRI	2	4054	SUN	18	15	398
DEC	2652	2542	SUN	2	3363	SUN	9	16	364
			SUN	1	17414	SUN	1	14	1548

30TH HIGHEST HOUR (DHV) = 1234 26.2% OF AADT
SUN JUL 8 12:00-13:00



HISTORICAL DATA: PCS 028 – GRAND BEND

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1989	4578	N/A	17166	1558	1219	26.6
1990	4717	+ 3.0	17414	1548	1234	26.2

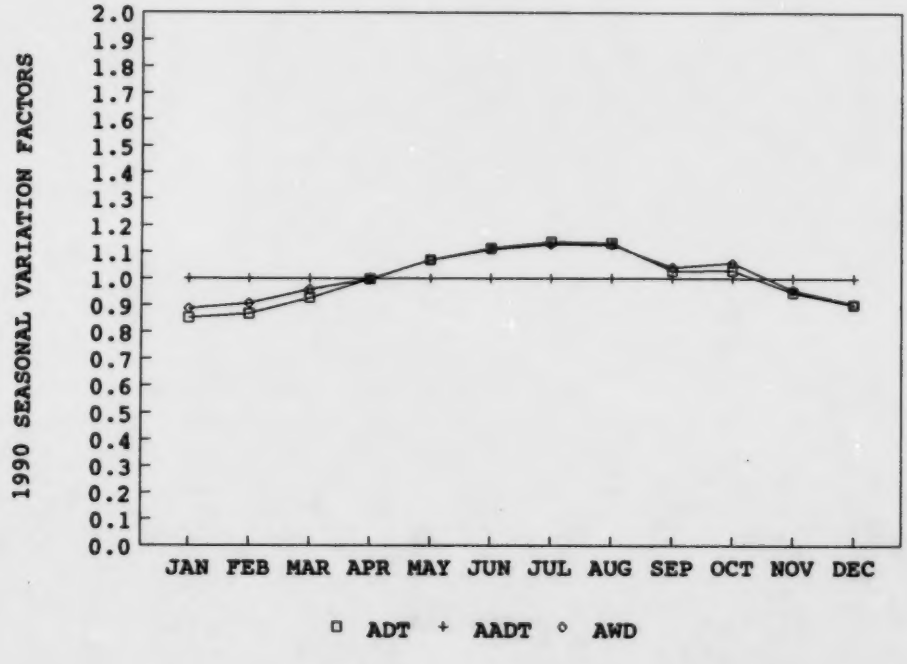


1990 YEARLY REPORT: PCS 030 – SIMCOE

PCS NAME : SIMCOE
LOCATION : PRIMARY DESC. - 8.0 KM W OF HALD/NORF RD 41
: SECONDARY DESC. - 7.9 E OF E JCT HWY 59
HIGHWAY : 003
LHRS : 11850
OFFSET : 08.00
PATTERN TYPE : INTERMEDIATE COMMUTER

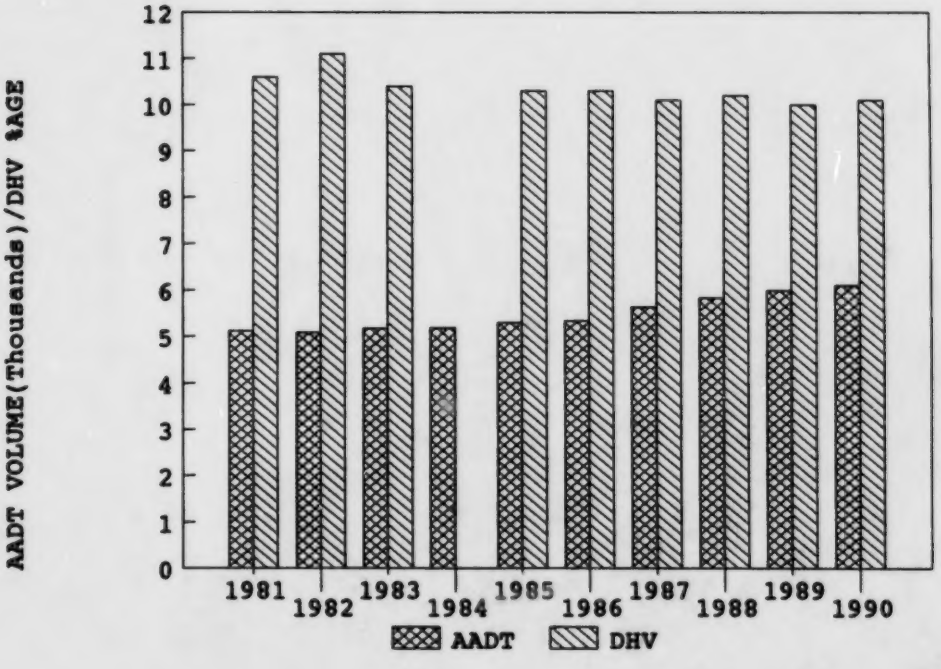
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	5196	5417	FRI	19	6265	FRI	19	17	595
FEB	5292	5539	FRI	9	6246	MON	19	17	568
MAR	5688	5851	FRI	30	7010	FRI	30	17	603
APR	6068	6089	FRI	27	7402	THU	12	17	635
MAY	6513	6528	FRI	18	7841	FRI	18	18	668
JUN	6806	6773	FRI	29	8166	FRI	15	18	673
JUL	6908	6889	FRI	27	7699	FRI	6	18	649
AUG	6913	6876	FRI	3	7990	FRI	31	17	641
SEP	6267	6351	FRI	7	7444	FRI	7	17	655
OCT	6272	6455	FRI	5	8408	FRI	5	17	714
NOV	5798	5838	FRI	2	6886	FRI	30	17	613
DEC	5501	5539	FRI	7	6914	FRI	7	17	597
			FRI OCT 5		8408	FRI OCT 5		17	714

30TH HIGHEST HOUR (DHV) = 616 10.1% OF AADT
SAT OCT 6 12:00-13:00



HISTORICAL DATA: PCS 030 – SIMCOE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	5117	- 0.5	7533	734	541	10.6
1982	5076	- 0.8	7709	887	563	11.1
1983	5166	+ 1.8	7225	596	537	10.4
1984	5180	+ 0.3	7323	N/A	N/A	N/A
1985	5289	+ 2.1	8196	750	546	10.3
1986	5338	+ 0.9	7667	640	549	10.3
1987	5635	+ 5.6	7697	677	569	10.1
1988	5829	+ 3.4	8257	693	593	10.2
1989	5990	+ 2.8	8182	688	599	10.0
1990	6107	+ 2.0	8408	714	616	10.1

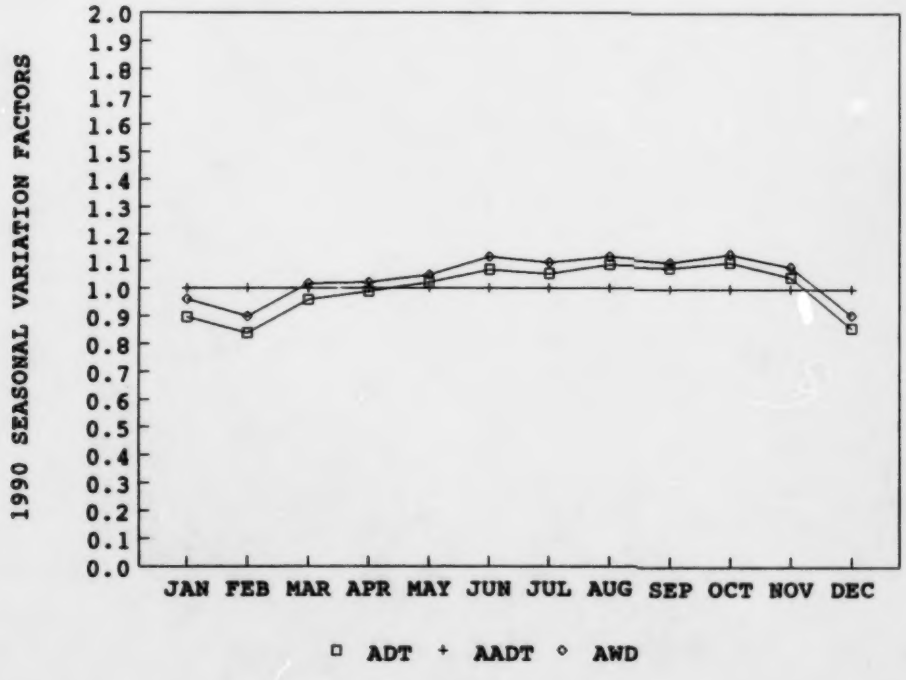


1990 YEARLY REPORT: PCS 031 – DIXIE

PCS NAME : DIXIE
LOCATION : 1.3 KM W OF HWY 10 U/P
HIGHWAY : 401
LHRS : 47680
OFFSET : 01.30
PATTERN TYPE : COMMUTER

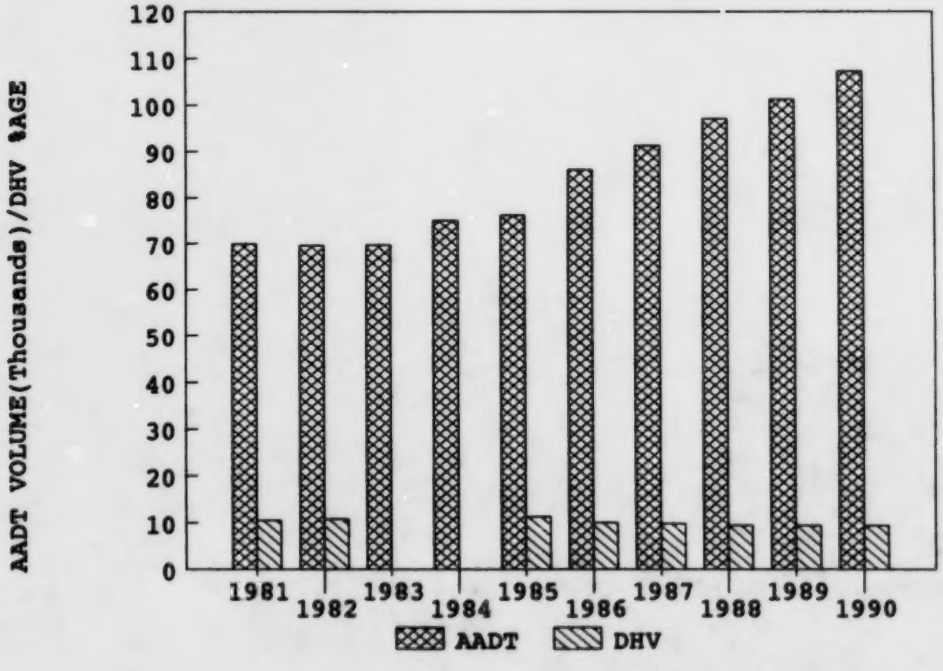
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	95751	103217	FRI	12	114966	FRI	12	18	9547
FEB	89533	96350	WED	28	111133	WED	28	8	9889
MAR	103589	109225	FRI	16	122678	MON	12	8	9931
APR	105263	109547	FRI	27	126499	WED	11	8	9500
MAY	109377	112444	FRI	25	127817	THU	10	18	9703
JUN	115335	119740	FRI	15	134675	THU	14	18	9695
JUL	112234	117594	FRI	13	132257	THU	19	18	9683
AUG	117083	119740	FRI	3	134115	FRI	31	20	9145
SEP	115210	117916	FRI	7	138402	FRI	7	18	10324
OCT	117888	121135	FRI	5	149245	TUE	30	8	10844
NOV	112818	116199	FRI	2	131971	FRI	9	8	10293
DEC	92352	97208	FRI	21	117157	THU	20	9	9951
			FRI OCT 5		149245	TUE OCT 30		8	10844

30TH HIGHEST HOUR (DHV) = 9991 9.3% OF AADT
FRI SEPT 7 16:00-17:00



HISTORICAL DATA: PCS 031 – DIXIE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	69855	+ 1.2	95058	7916	7326	10.5
1982	69490	- 0.5	91617	7938	7410	10.7
1983	69577	+ 0.1	N/A	N/A	N/A	N/A
1984	74989	+ 7.8	95896	N/A	N/A	N/A
1985	76149	+ 1.5	104758	8870	8517	11.2
1986	86070	+ 13.0	162000	12578	8627	10.0
1987	91225	+ 6.0	128876	9563	8785	9.6
1988	97090	+ 6.4	125486	9589	9076	9.3
1989	101301	+ 4.3	138174	10054	9375	9.3
1990	107294	+ 5.9	149245	10844	9991	9.3

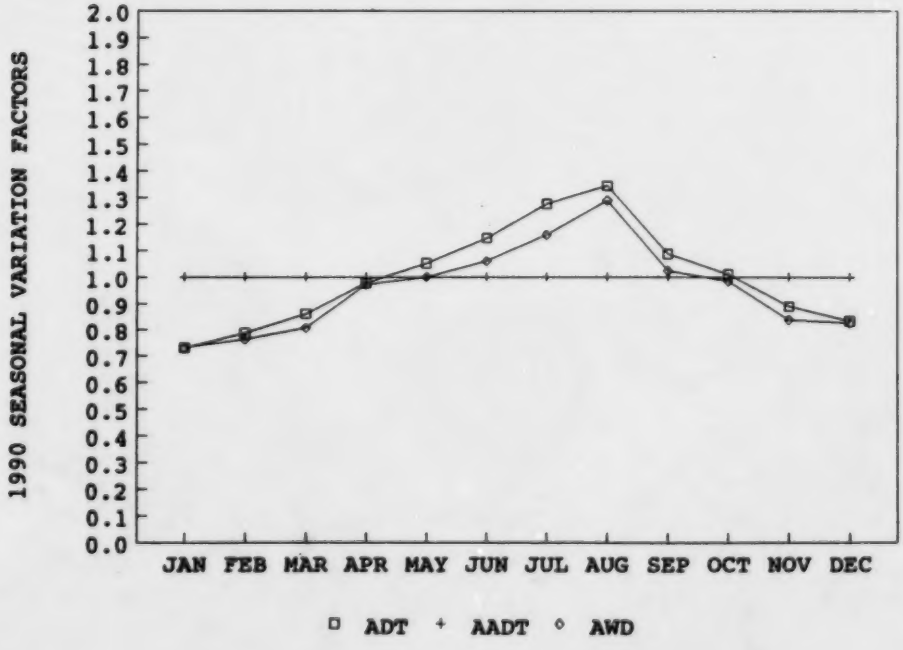


1990 YEARLY REPORT: PCS 032 – PORT HOPE

PCS NAME : PORT HOPE
LOCATION : PRIMARY DESC. - 7.0 KM W OF WESLEYVILLE RD 1C 456
: SECONDARY DESC.- 1.7 KM W OF NORTHUMBERLAND-DURHAM BDY RD
HIGHWAY : 401
LHRS : 47555
OFFSET : 07.00
PATTERN TYPE : INTERMEDIATE RECREATION

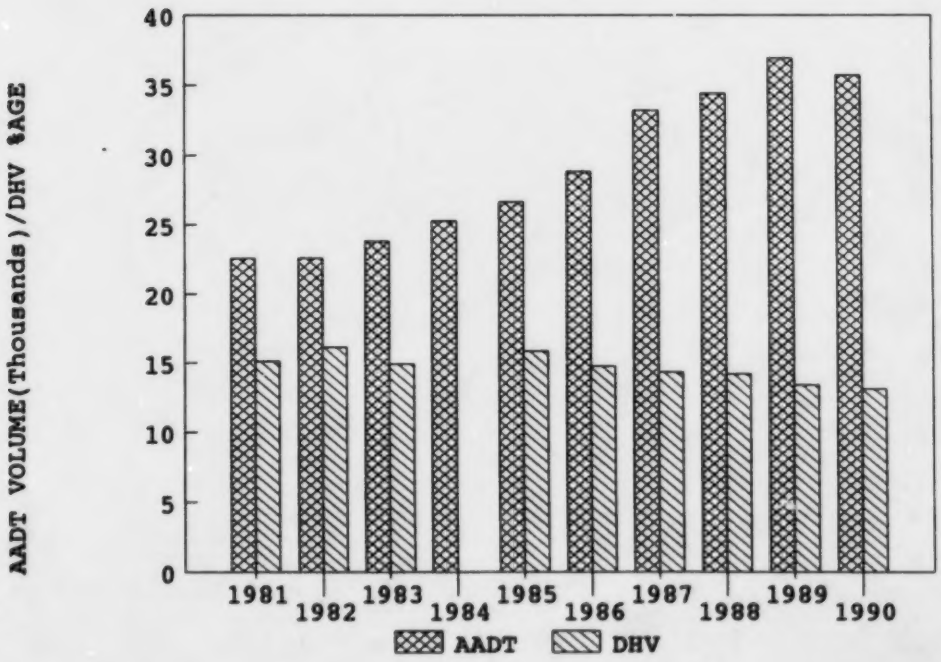
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	25975	26164	MON	1	37713	MON	1	16	3729
FEB	28056	27270	FRI	23	36280	FRI	23	16	3002
MAR	30797	28805	FRI	16	42201	SUN	18	17	3798
APR	34705	34659	THU	12	53315	FRI	13	12	5232
MAY	37464	35694	FRI	18	62385	MON	21	15	5469
JUN	40893	37836	FRI	29	64805	FRI	29	16	4816
JUL	45406	41334	MON	2	62791	MON	2	15	4682
AUG	47608	46010	FRI	3	68029	FRI	3	16	4925
SEP	39137	36551	MON	3	63147	MON	3	16	5331
OCT	35950	35123	FRI	5	65079	MON	8	15	5993
NOV	31814	29912	FRI	9	42267	SUN	4	17	3511
DEC	29904	29519	WED	26	47017	WED	26	15	4820
			FRI AUG	3	68029	MON OCT	8	15	5993

30TH HIGHEST HOUR (DHV) = 4690 13.1% OF AADT
FRI AUG 31 15:00-16:00



HISTORICAL DATA: PCS 032 – PORT HOPE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	22596	- 0.1	52087	4773	3417	15.1
1982	22600	+ 0.0	56687	4761	3643	16.1
1983	23779	+ 5.2	57058	5143	3546	14.9
1984	25244	+ 6.2	63240	N/A	N/A	N/A
1985	26610	+ 5.4	57562	5561	4198	15.8
1986	28825	+ 8.3	60915	5571	4251	14.7
1987	33194	+ 15.2	67069	6077	4747	14.3
1988	34429	+ 3.7	69622	6048	4889	14.2
1989	36887	+ 7.1	70014	6671	4961	13.4
1990	35694	- 3.2	68029	5993	4690	13.1

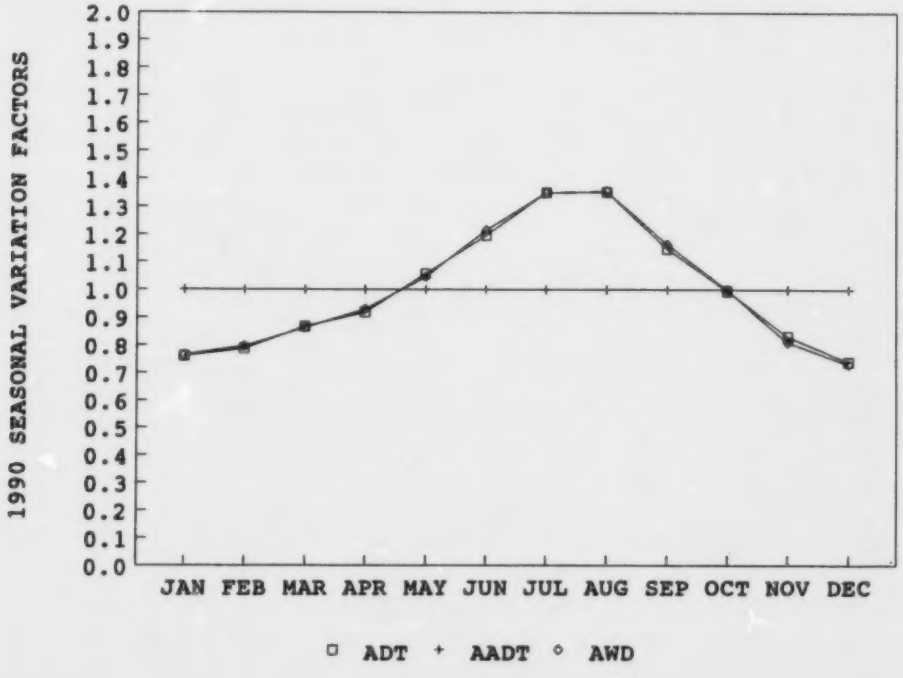


1990 YEARLY REPORT: PCS 033 – NIPIGON

PCS NAME : NIPIGON
LOCATION : 4.7 KM S OF HWY 628
HIGHWAY : 011
LHRS : 17980
OFFSET : 04.70
PATTERN TYPE : LOW TOURIST

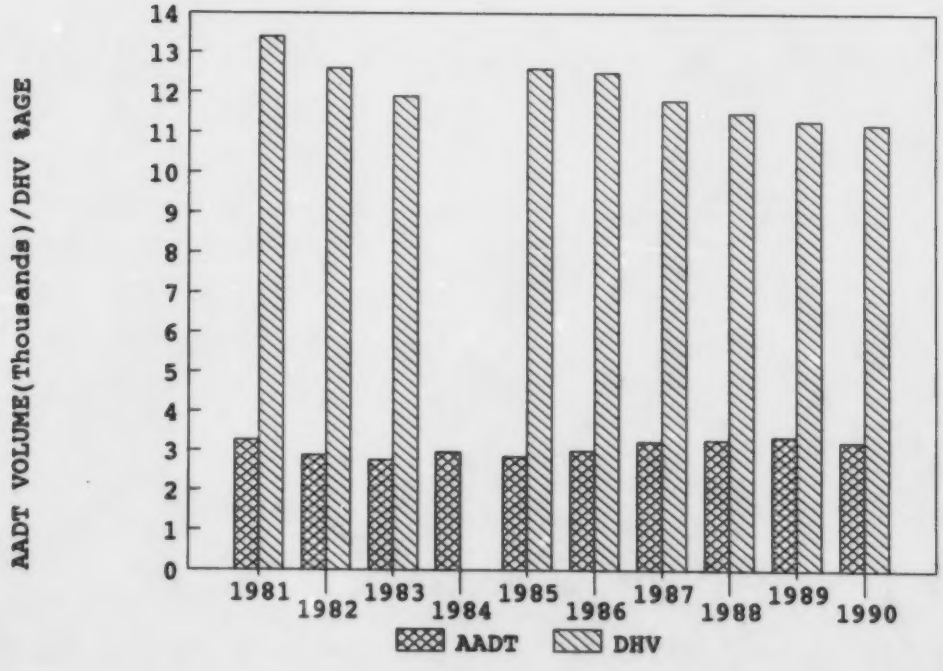
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	2436	2462	FRI	12	2894	FRI	26	18	238
FEB	2525	2562	FRI	9	3010	FRI	9	17	262
MAR	2791	2777	FRI	9	3242	FRI	23	18	277
APR	2946	2993	THU	12	3882	THU	12	17	341
MAY	3391	3369	FRI	18	4242	FRI	18	17	330
JUN	3841	3907	FRI	29	5302	FRI	29	18	442
JUL	4330	4344	FRI	6	4870	FRI	20	17	405
AUG	4353	4360	FRI	3	5125	FRI	3	17	414
SEP	3694	3743	MON	3	4390	MON	3	17	373
OCT	3198	3212	FRI	5	4465	FRI	5	17	348
NOV	2688	2610	FRI	2	3430	FRI	2	18	318
DEC	2365	2352	FRI	21	3050	SAT	22	14	259
			FRI JUN 29		5302	FRI JUN 29		18	442

30TH HIGHEST HOUR (DHV) = 361 11.2% OF AADT
FRI AUG 24 18:00-19:00



HISTORICAL DATA: PCS 033 – NIPIGON

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	3269	+ 6.0	6068	501	439	13.4
1982	2870	- 12.2	5050	412	363	12.6
1983	2751	- 4.1	5050	365	326	11.9
1984	2966	+ 7.8	5505	N/A	N/A	N/A
1985	2839	- 4.3	5437	429	359	12.6
1986	2985	+ 5.1	5397	429	374	12.5
1987	3222	+ 7.9	5397	451	379	11.8
1988	3265	+ 1.3	5648	474	375	11.5
1989	3350	+ 2.6	5664	459	379	11.3
1990	3218	- 3.9	5302	442	361	11.2

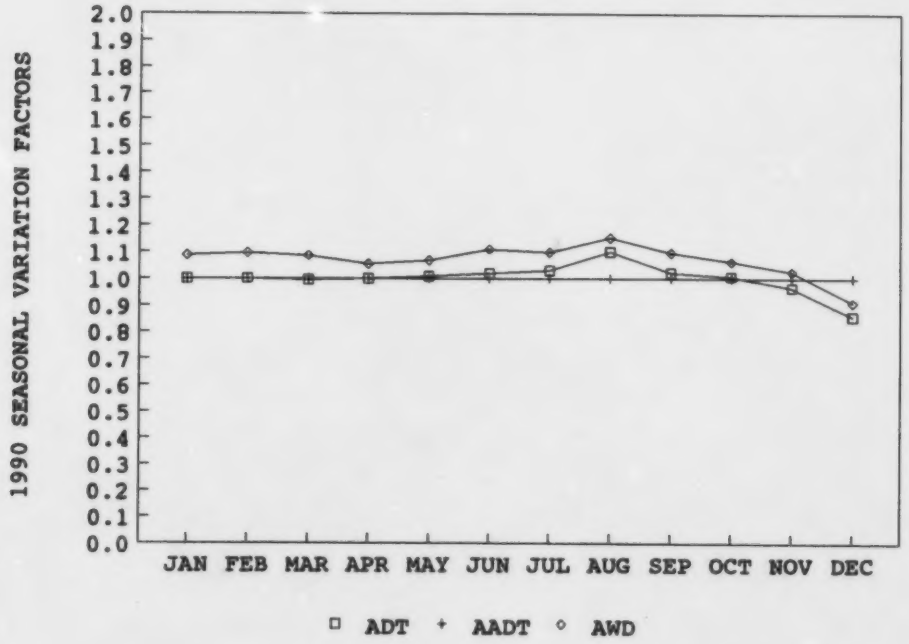


1990 YEARLY REPORT: PCS 034 – BELFIELD

PCS NAME : BELFIELD
LOCATION : PRIMARY DESC. - 0.9 KM W OF HWY 427
: SECONDARY DESC. - 0.4 KM E OF AIRPORT RD
HIGHWAY : 409
LHRS : 49000
OFFSET : 00.90
PATTERN TYPE : URBAN COMMUTER

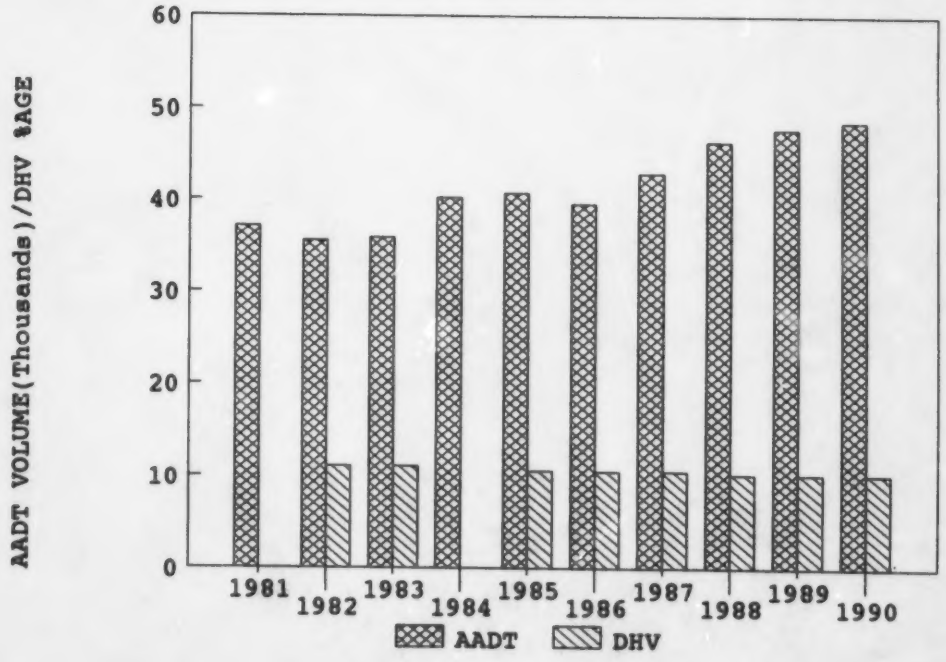
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	48317	52818	FRI	26	56292	FRI	26	17	5083
FEB	48582	53256	FRI	23	56763	WED	21	17	4975
MAR	48647	52721	FRI	9	57953	WED	7	17	5128
APR	48269	51215	FRI	27	61059	FRI	27	17	5233
MAY	48964	51847	FRI	25	59433	FRI	25	19	5058
JUN	49827	53887	FRI	29	59992	THU	21	19	4961
JUL	49795	53353	FRI	20	60233	THU	12	17	4944
AUG	53754	55977	FRI	31	63000	FRI	24	17	5104
SEP	49320	53207	FRI	7	60381	FRI	14	17	5103
OCT	49001	51604	FRI	5	62332	FRI	5	18	5026
NOV	47134	49806	FRI	2	55990	THU	15	17	4810
DEC	41481	44169	FRI	14	55379	FRI	7	18	4599
			FRI AUG	31	63000	FRI APR	27	17	5233

30TH HIGHEST HOUR (DHV) = 4961 10.2% OF AADT
THU JUN 21 18:00-19:00



HISTORICAL DATA: PCS 034 – BELFIELD

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	37072	N/A	N/A	N/A	N/A	N/A
1982	35458	- 4.4	45958	4473	3922	11.1
1983	35785	+ 0.9	47332	5972	3968	11.1
1984	40179	+ 12.3	58319	N/A	N/A	N/A
1985	40721	+ 1.3	54843	4938	4326	10.6
1986	39498	- 3.0	52241	4582	4148	10.5
1987	42923	+ 8.7	57545	4744	4490	10.5
1988	46359	+ 8.0	60853	4990	4733	10.2
1989	47729	+ 3.0	63319	5104	4874	10.2
1990	48591	+ 1.8	63000	5233	4961	10.2

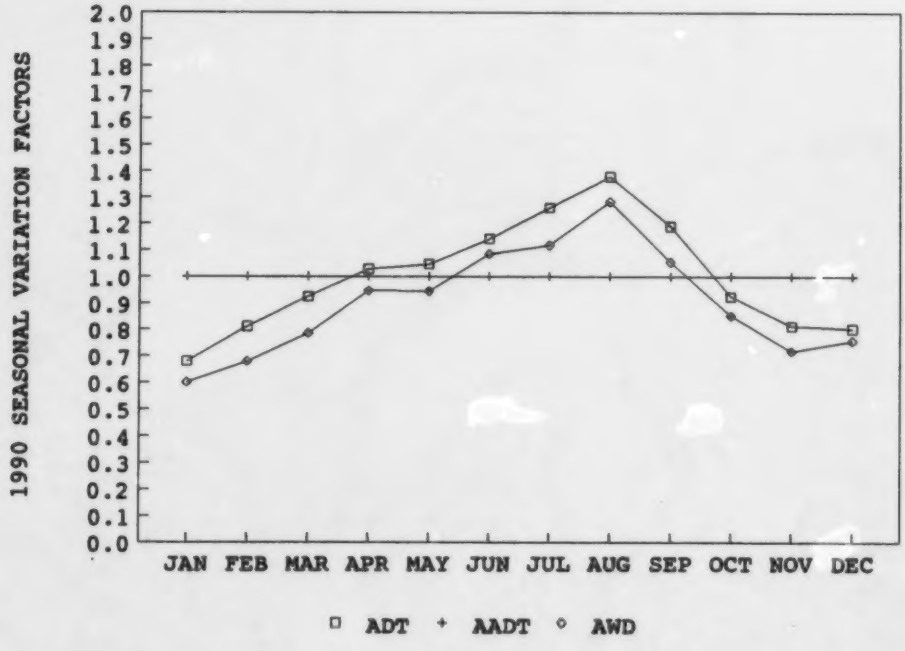


1990 YEARLY REPORT: PCS 035 – DUNVEGAN

PCS NAME : DUNVEGAN
LOCATION : PRIMARY DESC. - 10.2 KM W OF SD&G RD 31
: SECONDARY DESC. - 13.8 KM E OF HWY 138
HIGHWAY : 417
LHRS : 49280
OFFSET : 10.20
PATTERN TYPE : INTERMEDIATE RECREATION

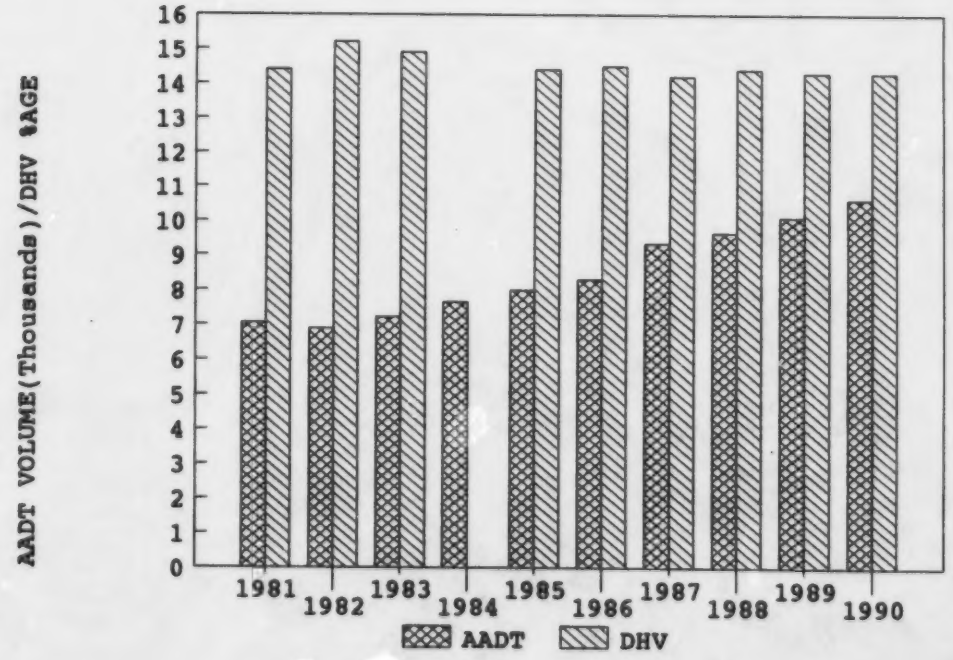
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	7208	6377	FRI	26	9793	SUN	28	20	1069
FEB	8589	7215	SUN	4	11517	SUN	11	17	1134
MAR	9844	8340	SUN	4	12799	SUN	4	17	1254
APR	10838	10038	SUN	15	16796	FRI	13	13	1511
MAY	11120	10017	MON	21	15756	FRI	18	18	1493
JUN	12029	11513	FRI	29	18591	SAT	30	12	1809
JUL	13384	11852	SUN	29	18949	SUN	22	20	1741
AUG	14587	13614	SUN	5	19947	FRI	31	21	1727
SEP	12644	11184	MON	3	20297	MON	3	18	1898
OCT	9791	9051	MON	8	17608	MON	8	17	1843
NOV	8621	7629	FRI	2	12272	SUN	18	20	1250
DEC	8539	8043	MON	24	12562	MON	24	16	1410
			MON	SEP 3	20297	MON	SEP 3	18	1898

30TH HIGHEST HOUR (DHV) = 1515 14.3% OF AADT
FRI JUN 15 17:00-18:00



HISTORICAL DATA: PCS 035 – DUNVEGAN

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	7057	+ 1.2	13708	1340	1015	14.4
1982	6880	- 2.5	13708	1361	1049	15.2
1983	7220	+ 4.9	14659	1313	1073	14.9
1984	7646	+ 5.9	15063	N/A	N/A	N/A
1985	7990	+ 4.5	14656	1527	1149	14.4
1986	8305	+ 3.9	15734	1605	1203	14.5
1987	9333	+ 12.4	18255	1705	1322	14.2
1988	9640	+ 3.3	19462	1799	1389	14.4
1989	10093	+ 4.7	18585	1828	1439	14.3
1990	10611	+ 5.1	20297	1898	1515	14.3

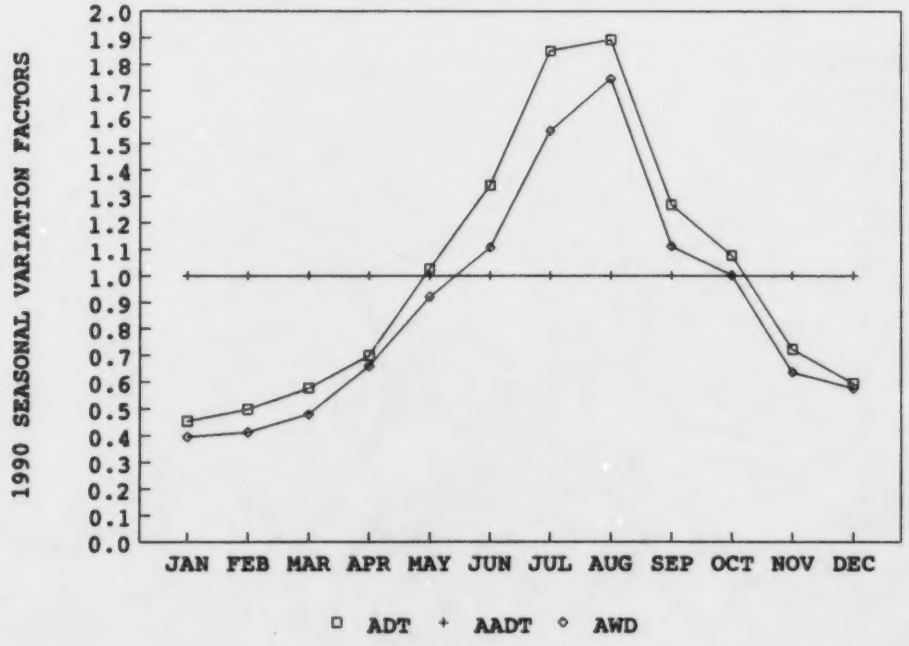


1990 YEARLY REPORT: PCS 036 – PORT SEVERN

PCS NAME : PORT SEVERN
LOCATION : PRIMARY DESC. - 1.8 KM N OF MUSKOKA RD 5
: SECONDARY DESC. - 4.7 KM S OF MUSKOKA RD 34
HIGHWAY : 069
LHRS : 35252
OFFSET : 01.80
PATTERN TYPE : RECREATION

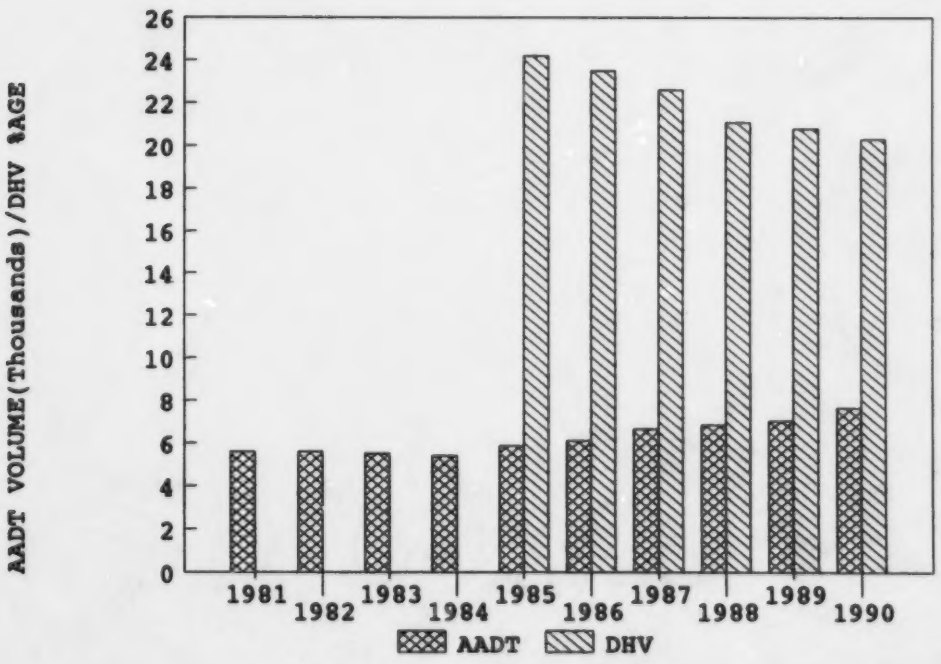
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	3480	3026	SUN	28	5083	SUN	28	16	585
FEB	3786	3156	SUN	25	5510	SUN	25	16	631
MAR	4399	3668	SUN	11	6568	SUN	18	15	735
APR	5286	5028	FRI	13	9794	FRI	13	12	1162
MAY	7828	7037	FRI	18	17179	MON	21	14	1607
JUN	10170	8459	FRI	29	22465	FRI	29	20	1591
JUL	14082	11828	MON	2	20156	MON	2	12	1784
AUG	14276	13341	FRI	3	22961	MON	6	13	1765
SEP	9811	8489	MON	3	17860	SAT	1	11	1512
OCT	8156	7649	FRI	5	18767	MON	8	13	1711
NOV	5504	4860	FRI	2	8654	SUN	4	16	900
DEC	4542	4401	SAT	22	7382	WED	26	14	1161
			FRI AUG 3		22961	MON JUL 2		12	1784

30TH HIGHEST HOUR (DHV) = 1550 20.3% OF AADT
SAT AUG 18 11:00-12:00



HISTORICAL DATA: PCS 036 – PORT SEVERN

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	5600	- 0.8	N/A	N/A	N/A	N/A
1982	5600	+ 0.0	N/A	N/A	N/A	N/A
1983	5523	- 1.4	N/A	N/A	N/A	N/A
1984	5417	- 1.9	N/A	N/A	N/A	N/A
1985	5859	+ 8.2	19776	2219	1419	24.2
1986	6128	+ 4.6	20798	1726	1438	23.5
1987	6650	+ 8.5	20325	1749	1504	22.6
1988	6871	+ 3.3	20441	1692	1451	21.1
1989	7041	+ 2.5	21008	1749	1463	20.8
1990	7641	+ 8.5	22961	1784	1550	20.3

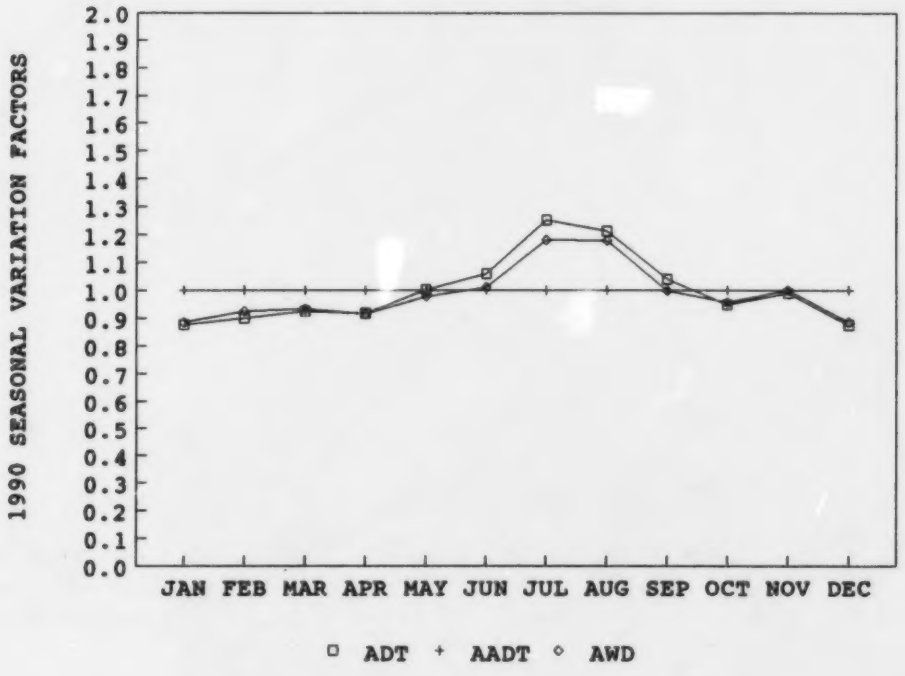


1990 YEARLY REPORT: PCS 037 – MAPLE

PCS NAME : MAPLE
LOCATION : 1.1 KM N OF HWY 7
HIGHWAY : 400
LHRS : 46820
OFFSET : 01.10
PATTERN TYPE : COMMUTER RECREATION

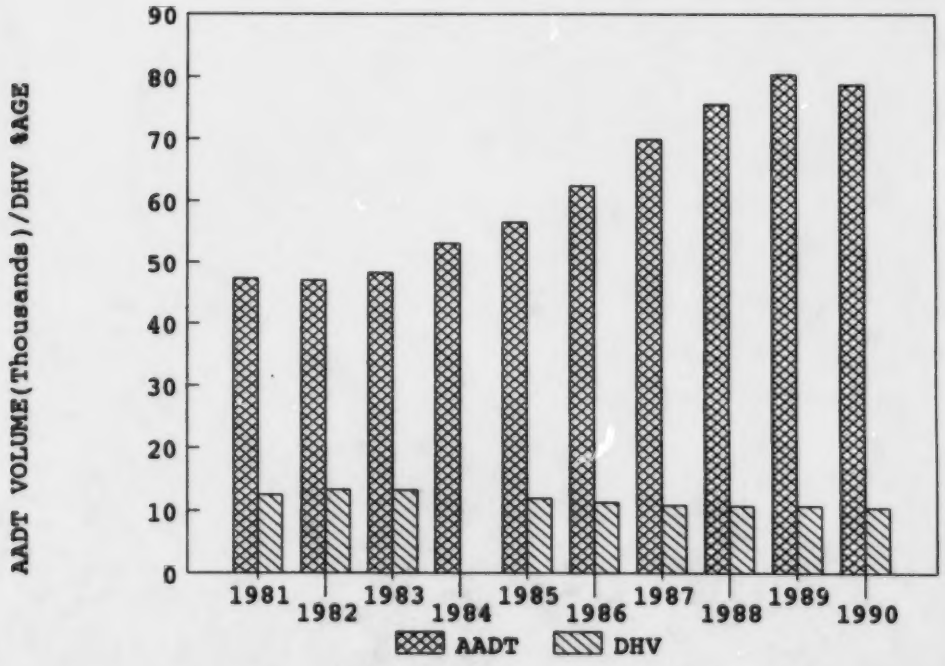
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	68555	69749	FRI	26	84836	MON	29	8	7739
FEB	70877	72901	FRI	9	85833	WED	28	8	7817
MAR	73395	73610	FRI	2	89622	MON	5	8	8111
APR	71753	72113	FRI	27	84810	TUE	17	8	8032
MAY	78999	77157	FRI	18	104459	FRI	18	18	7937
JUN	83434	79679	FRI	22	96319	MON	11	9	7624
JUL	98444	93077	FRI	20	116824	FRI	6	17	8460
AUG	95659	92919	FRI	3	122428	SAT	4	12	8592
SEP	81791	78654	FRI	7	95687	MON	17	8	8630
OCT	74451	75423	FRI	5	105200	FRI	5	17	8600
NOV	78407	78812	FRI	23	93242	TUE	13	8	8817
DEC	69214	69906	FRI	14	81961	FRI	21	8	7884
			FRI AUG	3	122428	TUE NOV	3	8	8817

30TH HIGHEST HOUR (DHV) = 8193 10.4% OF AADT
TUE SEP 11 07:00-8:00



HISTORICAL DATA: PCS 037 – MAPLE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	47305	+ 1.0	87792	6761	5923	12.5
1982	46958	- 0.7	88774	7373	6228	13.3
1983	48181	+ 2.6	97080	7103	6353	13.2
1984	53016	+ 10.0	112404	N/A	N/A	N/A
1985	56562	+ 6.7	98250	7319	6750	11.9
1986	62415	+ 10.3	100598	7652	7054	11.3
1987	69956	+ 12.1	110632	8399	7585	10.8
1988	75677	+ 8.2	124223	9080	8093	10.7
1989	80351	+ 6.2	126039	9434	8598	10.7
1990	78812	- 1.9	122428	8817	8193	10.4

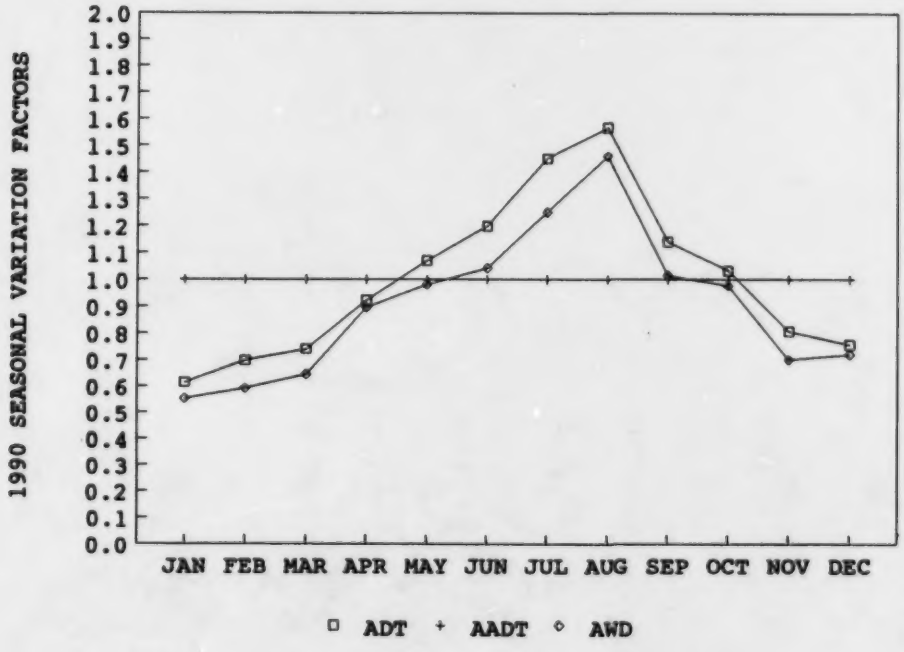


1990 YEARLY REPORT: PCS 041 – KALADAR

PCS NAME : KALADAR
LOCATION : PRIMARY DESC. - 16.8 KM W OF HWY 41
: SECONDARY DESC. - 4.8 KM E OF HWY 37
HIGHWAY : 007
LHRS : 14150
OFFSET : 16.8
PATTERN TYPE : UNCLASSIFIED

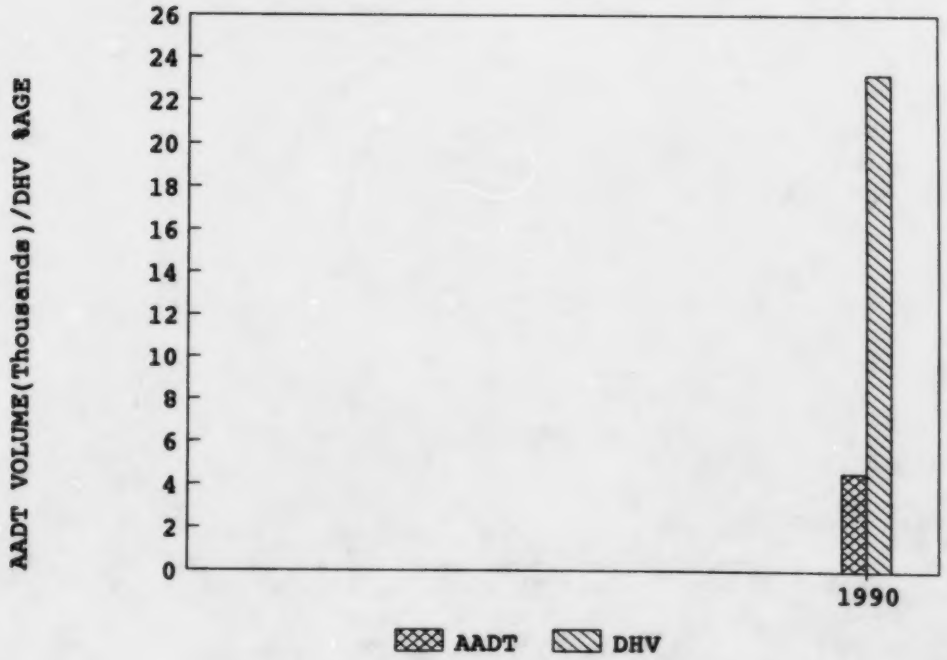
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	2801	2521	FRI	26	4260	TUE	2	14	462
FEB	3172	2694	FRI	9	5151	SUN	11	17	617
MAR	3379	2936	FRI	16	4712	SUN	11	17	510
APR	4179	4085	FRI	13	8709	FRI	13	12	1133
MAY	4871	4472	MON	21	10711	MON	21	16	1182
JUN	5459	4750	FRI	29	11737	FRI	29	19	1017
JUL	6589	5703	MON	2	12482	MON	2	17	1282
AUG	7075	6661	FRI	3	11952	MON	6	16	1325
SEP	5238	4627	MON	3	12481	MON	3	17	1324
OCT	4688	4459	MON	8	12902	MON	8	15	1598
NOV	3677	3191	FRI	9	5608	SUN	4	16	637
DEC	3458	3282	WED	26	6727	WED	26	15	858
			MON OCT 8		12902	MON OCT 8		15	1598

30TH HIGHEST HOUR (DHV) = 1057 23.2% OF AADT
SAT AUG 4 11:00-12:00



HISTORICAL DATA: PCS 041 – KALADAR

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1990	4559	N/A	12902	1598	1057	23.2

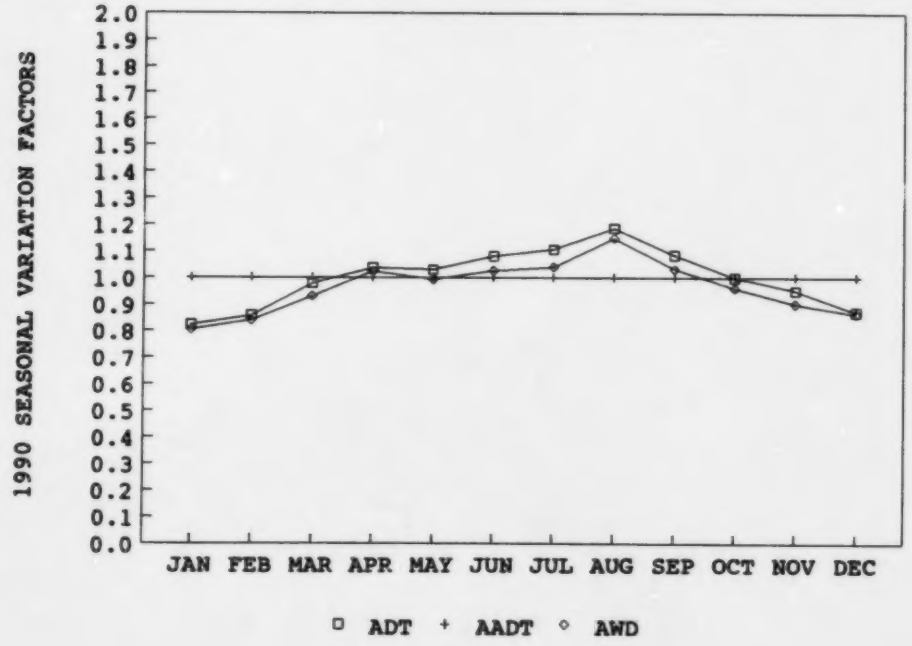


1990 YEARLY REPORT: PCS 043 – WOODSTOCK (DRUMBO)

PCS NAME : WOODSTOCK (DRUMBO)
LOCATION : PRIMARY DESC. - 1.0 KM W OF DRUMBO RD IC
: SECONDARY DESC. - 11.1 KM E OF HWY 2 (WOODSTOCK)
HIGHWAY : 401
LHRS : 47760
OFFSET : 01.00
PATTERN TYPE : INTERMEDIATE RECREATION

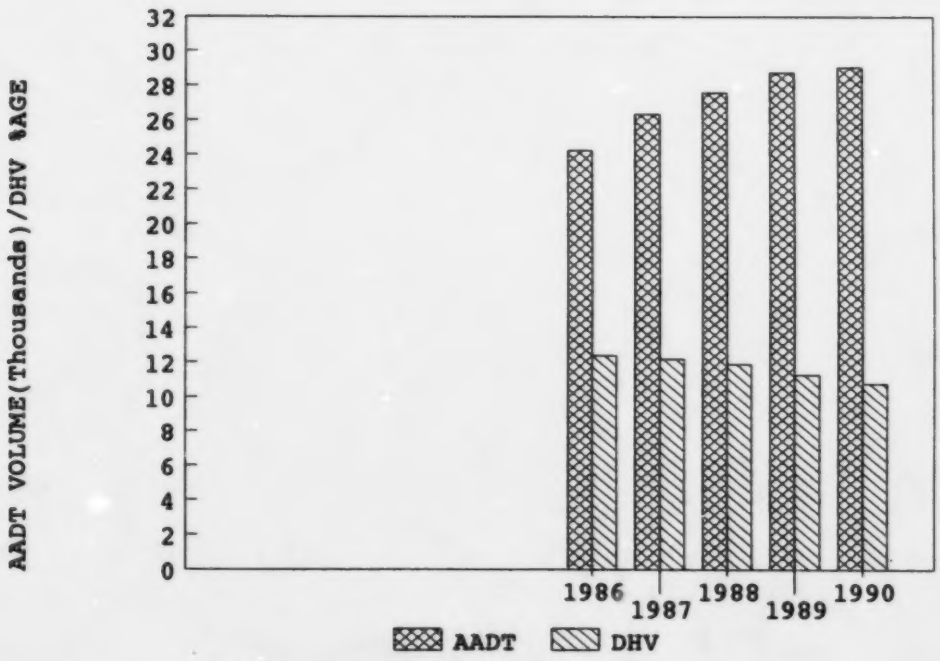
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	23838	23349	FRI	26	30598	FRI	26	17	2649
FEB	24888	24365	FRI	23	31741	SUN	25	17	2627
MAR	28481	27008	FRI	16	36240	FRI	9	17	3005
APR	30003	29709	THU	12	40436	FRI	13	12	3680
MAY	29857	28809	FRI	18	40934	FRI	18	19	3122
JUN	31376	29796	FRI	29	42188	FRI	29	15	3186
JUL	32001	30174	FRI	27	38603	FRI	13	17	3027
AUG	34291	33339	FRI	31	43642	FRI	3	16	3306
SEP	31557	29970	MON	3	43817	MON	3	16	3755
OCT	28940	27908	FRI	5	45295	FRI	5	17	3696
NOV	27676	26166	FRI	2	35327	FRI	2	17	2990
DEC	25324	25120	WED	26	35433	WED	26	13	3286
			FRI OCT 5		45295	MON SEP 3		16	3755

30TH HIGHEST HOUR (DHV) = 3129 10.8% OF AADT
FRI SEP 21 17:00-18:00



HISTORICAL DATA: PCS 043 – WOODSTOCK (DRUMBO)

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1986	24213	N/A	41696	3611	2994	12.4
1987	26329	+ 8.7	43879	3712	3201	12.2
1988	27571	+ 4.7	45919	3822	3288	11.9
1989	28756	+ 4.3	46689	3956	3254	11.3
1990	29041	+ 1.0	45295	3755	3129	10.8

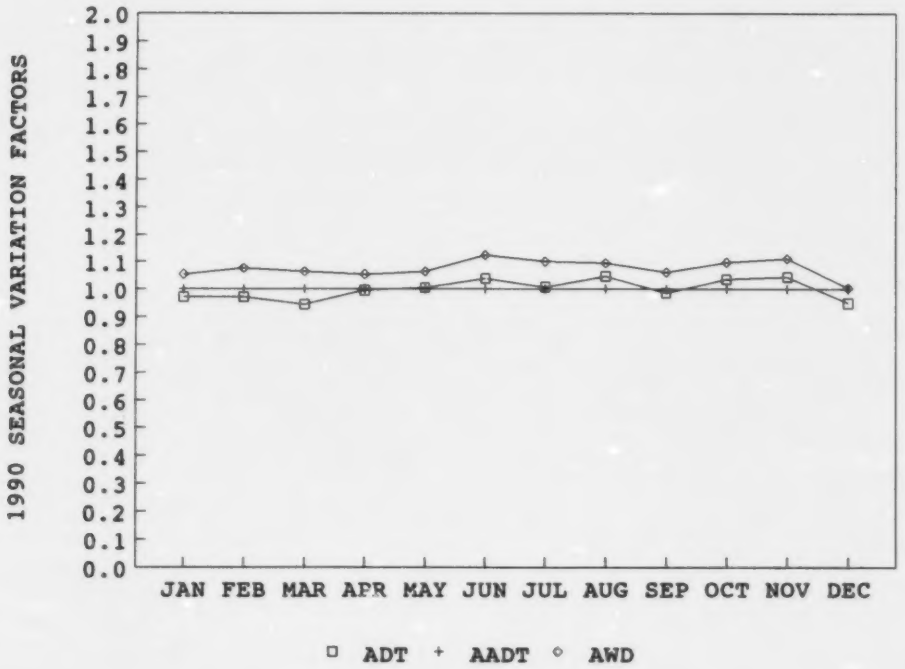


1990 YEARLY REPORT: PCS 044 – KEELE WEST RAMP

PCS NAME : KEELE WEST RAMP
LOCATION : HWY 401 WB TO KEELE ST
HIGHWAY : 401
LHRS : 47654
OFFSET : 01.90
PATTERN TYPE : UNCLASSIFIED (RAMP)

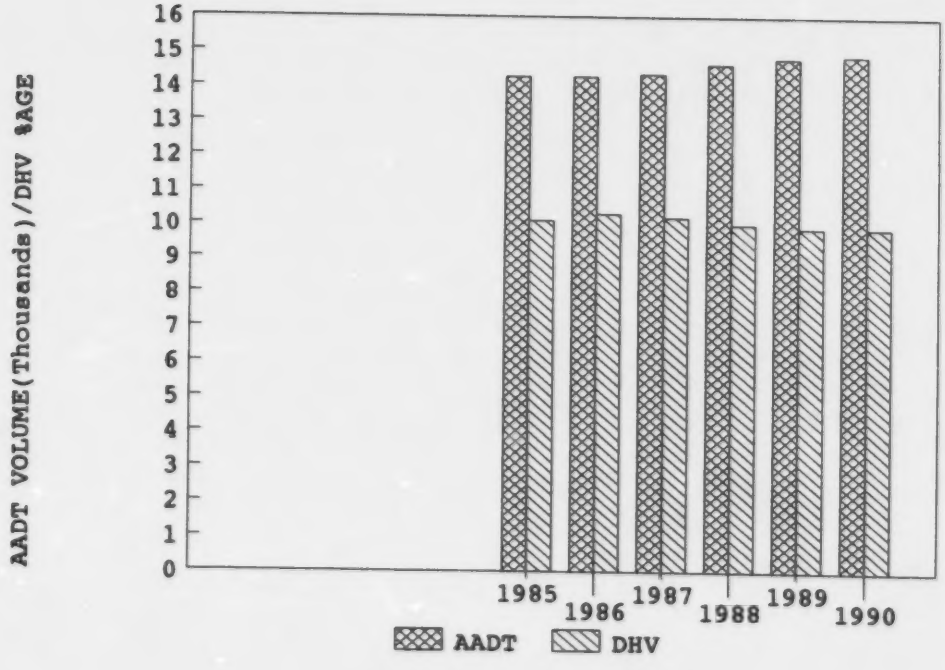
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	14304	15685	FRI	26	17298	TUE	23	15	1539
FEB	14469	16012	FRI	16	16783	TUE	6	15	1461
MAR	14202	15819	MON	26	17624	THU	1	15	1441
APR	15249	15685	THU	2	35679	MON	23	22	1649
MAY	14931	15833	TUE	8	17464	MON	7	18	1498
JUN	15558	16726	WED	20	20224	SAT	9	14	1907
JUL	14902	16369	WED	11	18932	WED	11	14	1595
AUG	15672	16280	FRI	17	18510	TUE	21	18	1557
SEP	14584	15804	FRI	14	17708	WED	5	9	1507
OCT	15441	16339	FRI	26	17961	MON	22	18	1573
NOV	15626	16548	FRI	16	17897	WED	14	9	1542
DEC	14142	14955	FRI	14	17807	FRI	7	17	1482
			THU APR 2		35679	SAT JUN 9		14	1907

30TH HIGHEST HOUR (DHV) = 1507 10.2% OF AADT
WED SEP 5 08:00-09:00



HISTORICAL DATA: PCS 044 – KEELE WEST RAMP

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1985	14266	N/A	17260	1960	1440	10.1
1986	14271	+ 0.0	17498	1960	1468	10.3
1987	14348	+ 0.5	17832	1979	1462	10.2
1988	14633	+ 2.0	18024	1590	1469	10.0
1989	14804	+ 1.2	33126	1870	1472	9.9
1990	14881	+ 0.5	35679	1907	1475	9.9

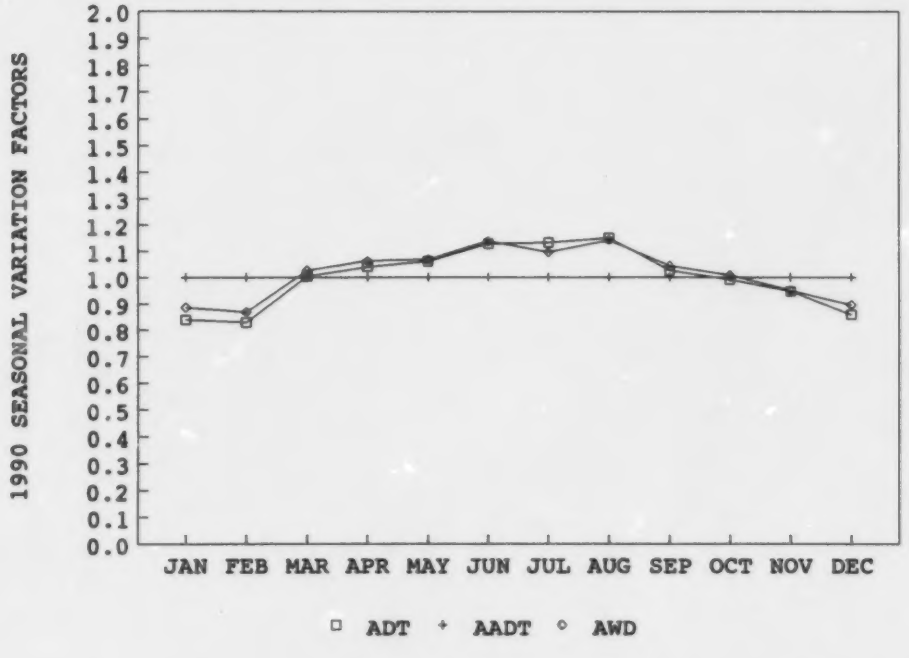


1990 YEARLY REPORT: PCS 045 – LONDON

PCS NAME : LONDON
LOCATION : PRIMARY DESC. - 0.7 KM W OF HWY 402
: SECONDARY DESC. - 0.17 KM E OF WHITE OAKS RD
HIGHWAY : 401
LHRS : 47826
OFFSET : 00.70
PATTERN TYPE : COMMUTER

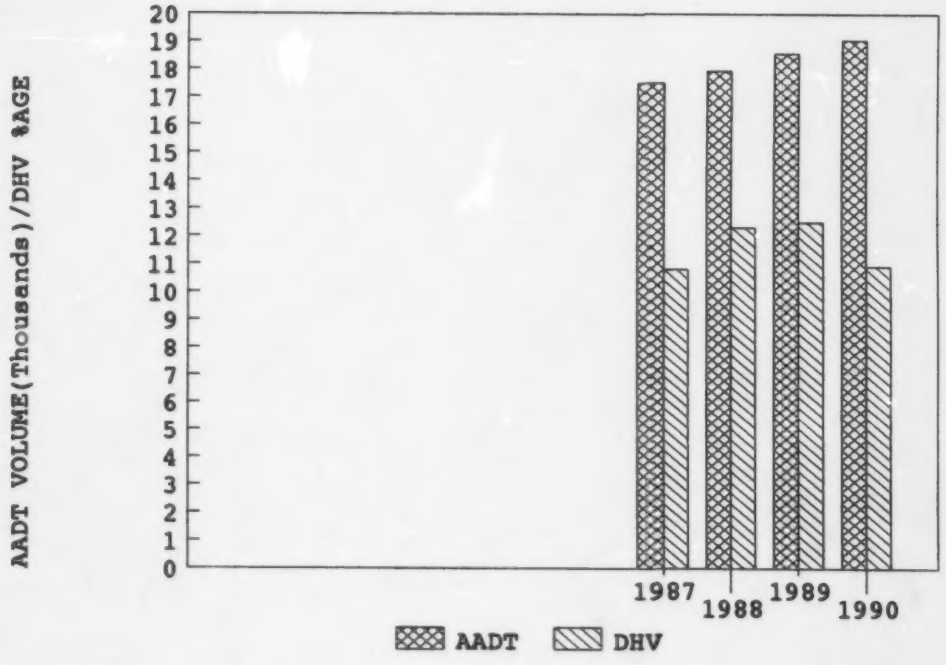
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	15860	16887	FRI	26	21100	MON	1	16	1791
FEB	15714	16563	FRI	23	20689	FRI	16	16	1735
MAR	19206	19533	FRI	9	26482	FRI	9	16	2113
APR	19610	20218	THU	12	27231	THU	12	18	2295
MAY	20165	20314	FRI	18	28828	FRI	18	16	2138
JUN	21477	21665	FRI	29	29165	FRI	29	17	2154
JUL	21545	20828	FRI	27	27216	FRI	20	16	2104
AUG	21799	21741	FRI	31	28542	FRI	31	6	2270
SEP	19600	19857	MON	3	34269	MON	3	16	3731
OCT	18774	19190	FRI	5	28743	FRI	5	16	2224
NOV	18080	18067	FRI	2	23091	FRI	2	16	1854
DEC	16391	17039	FRI	21	23175	WED	26	13	1864
			MON SEP 3		34269	MON SEP 3		16	3731

30TH HIGHEST HOUR (DHV) = 2072 10.9% OF AADT
FRI MAY 4 15:00-16:00



HISTORICAL DATA : PCS 045 – LONDON

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1987	17514	N/A	29336	2411	1890	10.8
1988	17945	+ 2.5	37053	3541	2207	12.3
1989	18564	+ 3.4	39277	3742	2318	12.5
1990	19038	+ 2.6	34269	3731	2072	10.9

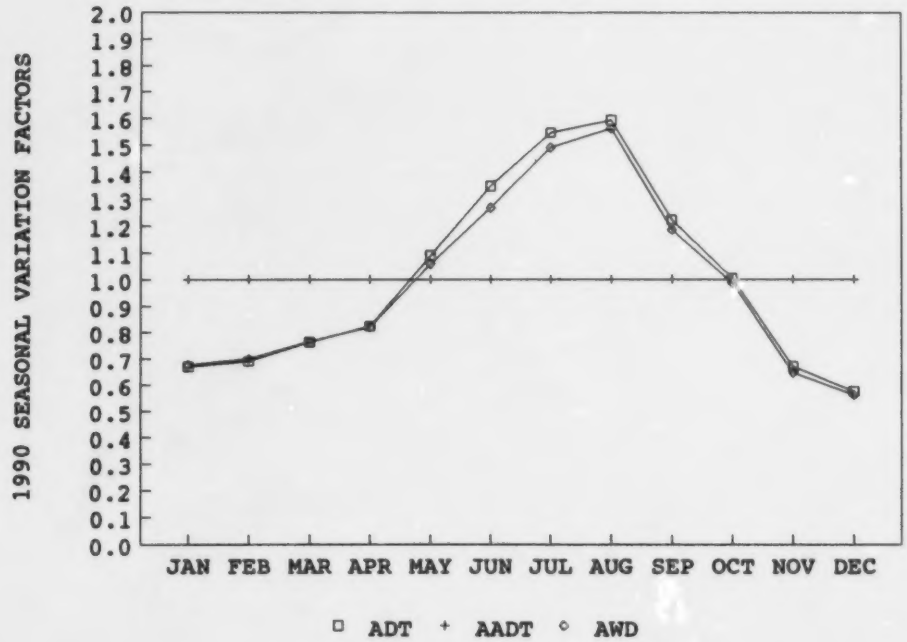


1990 YEARLY REPORT: PCS 047 – THUNDER BAY (FINMARK)

PCS NAME : THUNDER BAY (FINMARK)
LOCATION : PRIMARY DESC. -1.9 KM W OF FINMARK RD
: SECONDARY DESC. - 9.4 KM E OF W JCT 17
HIGHWAY : 011
LHRS : 18150
OFFSET : 01.90
PATTERN TYPE : LOW TOURIST

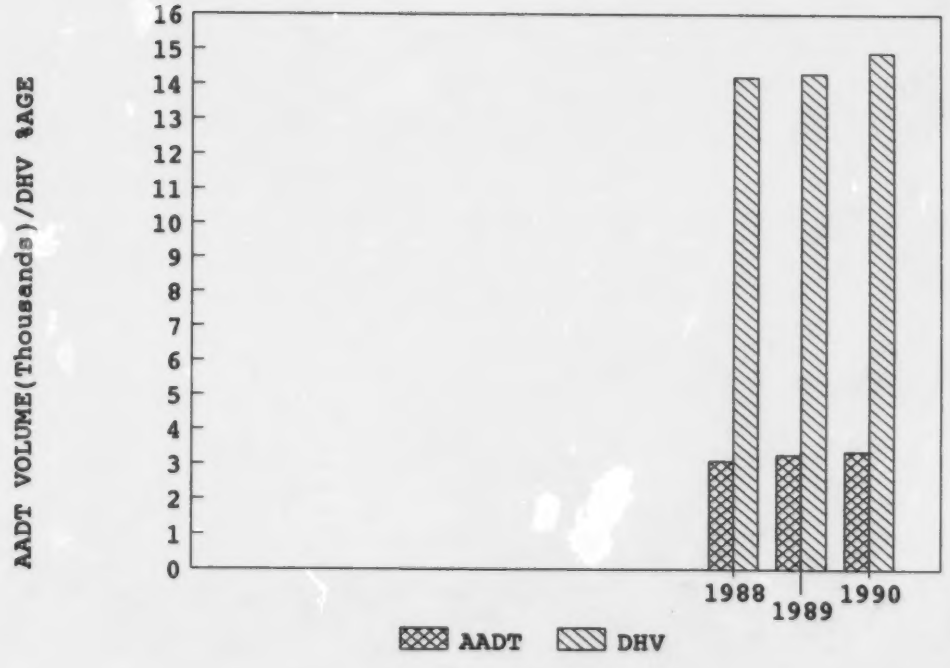
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	2256	2279	FRI	19	2768	FRI	19	17	259
FEB	2318	2360	FRI	23	2952	FRI	23	17	287
MAR	2582	2580	FRI	9	3233	FRI	9	17	276
APR	2764	2765	THU	12	3878	THU	12	18	331
MAY	3663	3568	FRI	18	6095	FRI	18	16	644
JUN	4531	4272	FRI	29	6511	FRI	29	19	581
JUL	5192	5031	MON	2	6784	MON	2	18	563
AUG	5365	5270	FRI	3	7123	MON	6	20	648
SEP	4128	3996	MON	3	6215	MON	3	18	573
OCT	3376	3325	FRI	5	5608	FRI	5	17	509
NOV	2266	2178	FRI	9	3305	FRI	9	17	280
DEC	1924	1892	SAT	22	2437	FRI	7	17	217
			FRI AUG	3	7123	MON AUG	6	20	648

30TH HIGHEST HOUR (DHV) = 501 14.6% OF AADT
FRI AUG 31 19:00-20:00



HISTORICAL DATA: PCS 047 – THUNDER BAY (FINMARK)

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1988	3087	N/A	6155	577	437	14.2
1989	3266	+ 5.8	6507	614	467	14.3
1990	3372	+ 3.2	7123	648	501	14.9

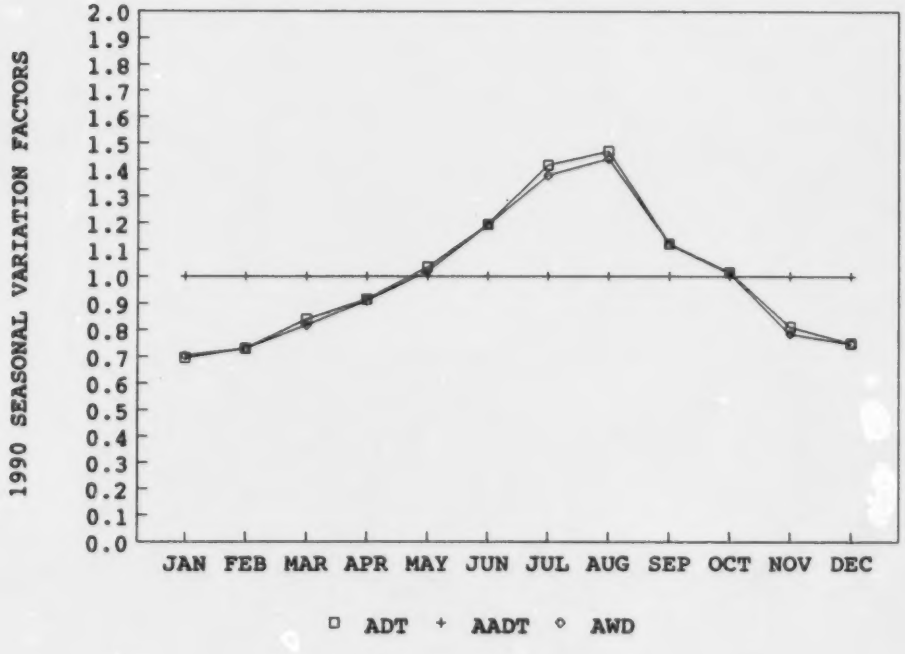


1990 YEARLY REPORT: PCS 049 – MASSEY

PCS NAME : MASSEY
LOCATION : PRIMARY DESC. - 8.3 KM W OF O'NEIL ST - WEBBWOOD
: SECONDARY DESC. - 8.7 KM E OF SEC HWY 553-MASSEY
HIGHWAY : 017
LHRS : 21120
OFFSET : 08.30
PATTERN TYPE : UNCLASSIFIED

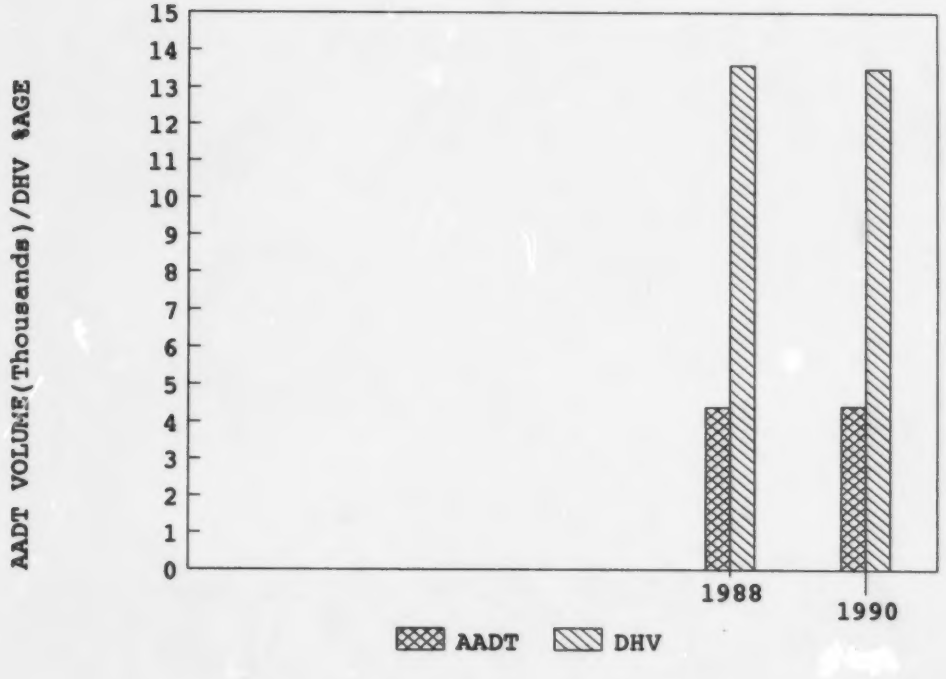
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	3072	3114	FRI	26	4270	FRI	26	18	383
FEB	3228	3229	FRI	9	4439	FRI	9	18	429
MAR	3720	3618	FRI	16	4708	FRI	9	17	417
APR	4021	4025	THU	12	6046	THU	12	18	518
MAY	4567	4503	FRI	18	6838	FRI	18	19	634
JUN	5280	5272	FRI	29	8440	FRI	29	20	693
JUL	6226	6090	FRI	27	7697	FRI	27	17	620
AUG	6489	6378	FRI	3	8503	SAT	25	13	675
SEP	4969	4954	MON	3	6512	MON	3	16	648
OCT	4474	4472	FRI	5	8029	FRI	5	18	721
NOV	3589	3476	FRI	2	5129	FRI	2	17	442
DEC	3326	3313	SAT	22	4962	SAT	22	16	455
			FRI AUG 3		8503	FRI OCT 5		18	721

30TH HIGHEST HOUR (DHV) = 599 13.5% OF AADT
FRI AUG 3 18:00-19:00



HISTORICAL DATA: PCS 049 – MASSEY

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1988	4402	N/A	8793	730	598	13.6
1989	N/A	N/A	N/A	N/A	N/A	N/A
1990	4423	N/A	8503	721	599	13.5

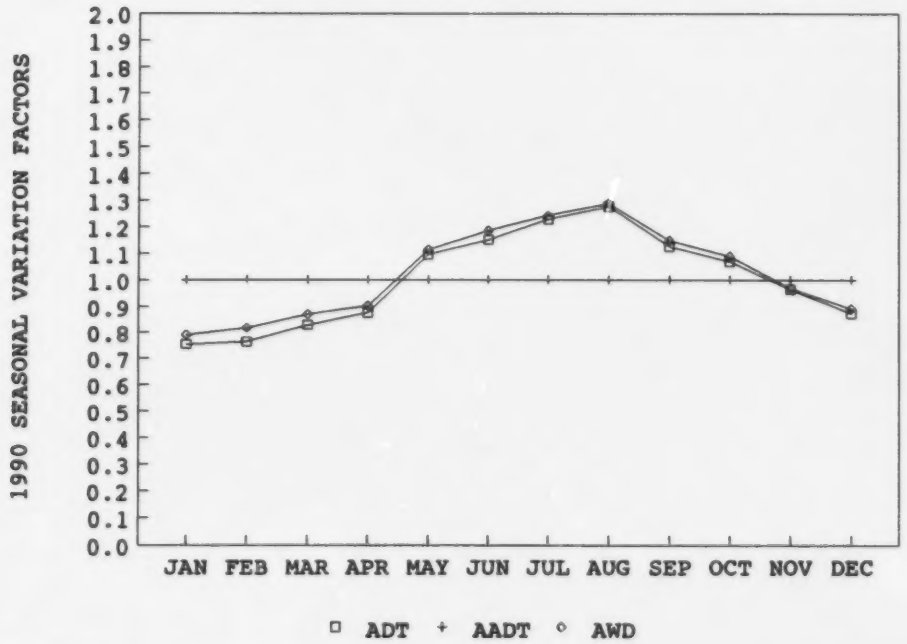


1990 YEARLY REPORT: PCS 050 – BURLINGTON (SKYWAY)

PCS NAME : BURLINGTON (SKYWAY)
LOCATION : PRIMARY DESC. - 1.0 KM N OF EASTPORT RD IC-93
: SECONDARY DESC. - ON BURLINGTON BAY SKYWAY (NORTH END)
HIGHWAY : 001 (QEW)
LHRS : 10108
OFFSET : 01.00
PATTERN TYPE : UNCLASSIFIED

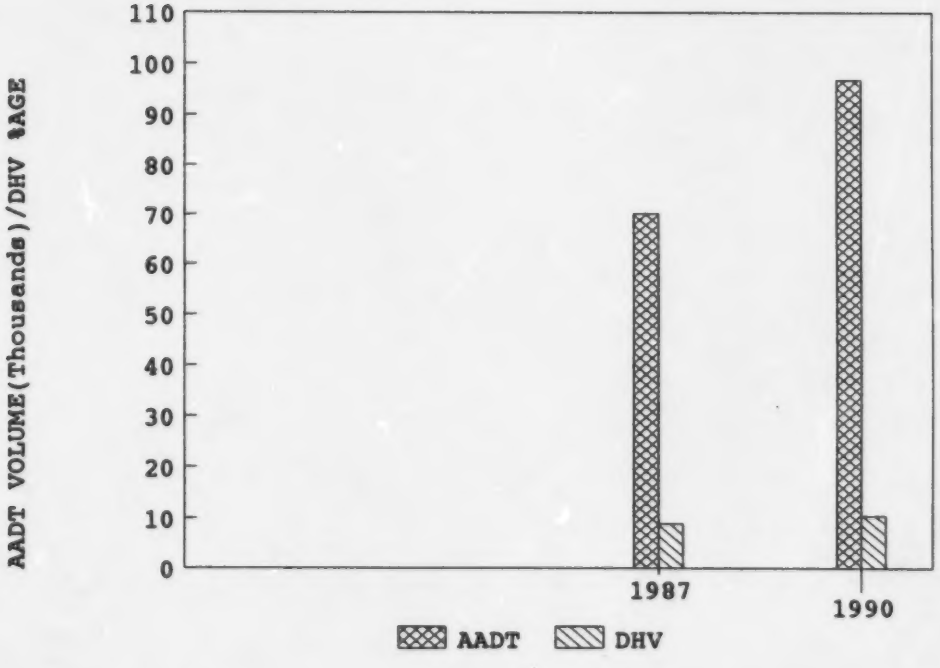
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	72752	76630	FRI	19	86741	FRI	19	18	7764
FEB	73762	79149	FRI	9	90718	FRI	9	17	7930
MAR	80549	84187	FRI	16	99598	FRI	16	17	8095
APR	83839	87287	THU	12	103036	THU	12	18	8475
MAY	105798	107825	FRI	18	126330	FRI	18	17	9739
JUN	111825	114800	FRI	29	133709	FRI	8	17	10304
JUL	118004	120419	FRI	27	134922	FRI	6	17	10503
AUG	123677	124682	FRI	31	143248	FRI	24	16	10715
SEP	109142	111216	FRI	7	129361	FRI	21	18	10343
OCT	103379	105500	FRI	5	134178	FRI	5	17	10390
NOV	93630	93778	FRI	9	112659	FRI	2	18	9647
DEC	84290	86318	FRI	21	103667	FRI	7	18	8712
			FRI SEP 31		143248	FRI AUG 4		16	10715

30TH HIGHEST HOUR (DHV) = 10093 10.4% OF AADT
WED AUG 22 15:00-16:00



HISTORICAL DATA: PCS 050 – BURLINGTON (SKYWAY)

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1987	70160	N/A	104406	10298	6199	8.8
1988	N/A	N/A	N/A	N/A	N/A	N/A
1989	N/A	N/A	N/A	N/A	N/A	N/A
1990	96878	N/A	143248	10715	10093	10.4

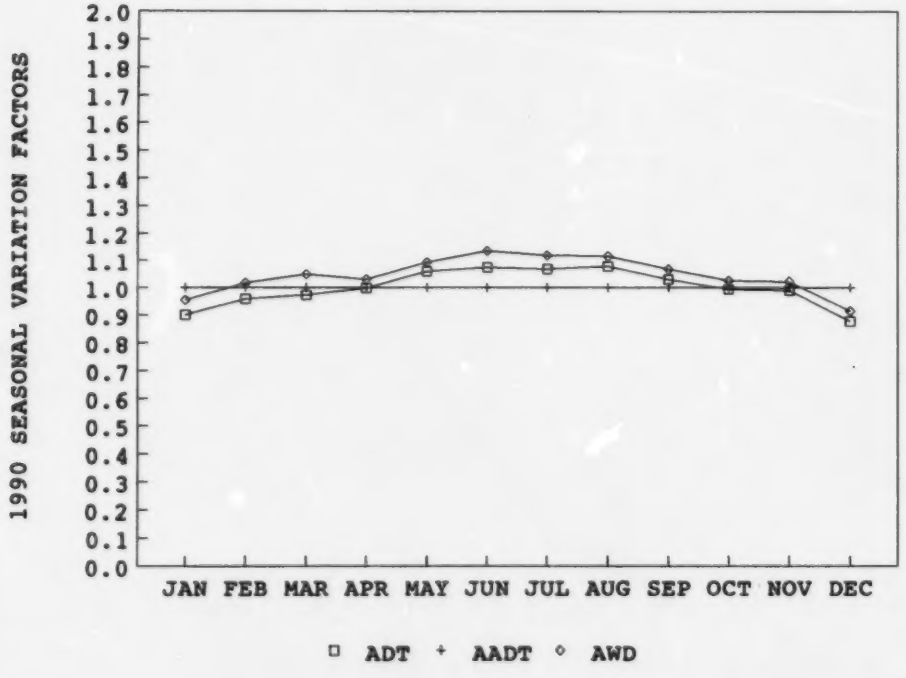


1990 YEARLY REPORT: PCS 074 – OTTAWA

PCS NAME : OTTAWA
LOCATION : PRIMARY DESC. - 1.1 KM W OF WOODROFFE AVE IC
: SECONDARY DESC. - 1.0 KM E OF PINECREST/GREENBANK RD.
LHRS : 49500
OFFSET : 01.10
PATTERN TYPE : URBAN COMMUTER

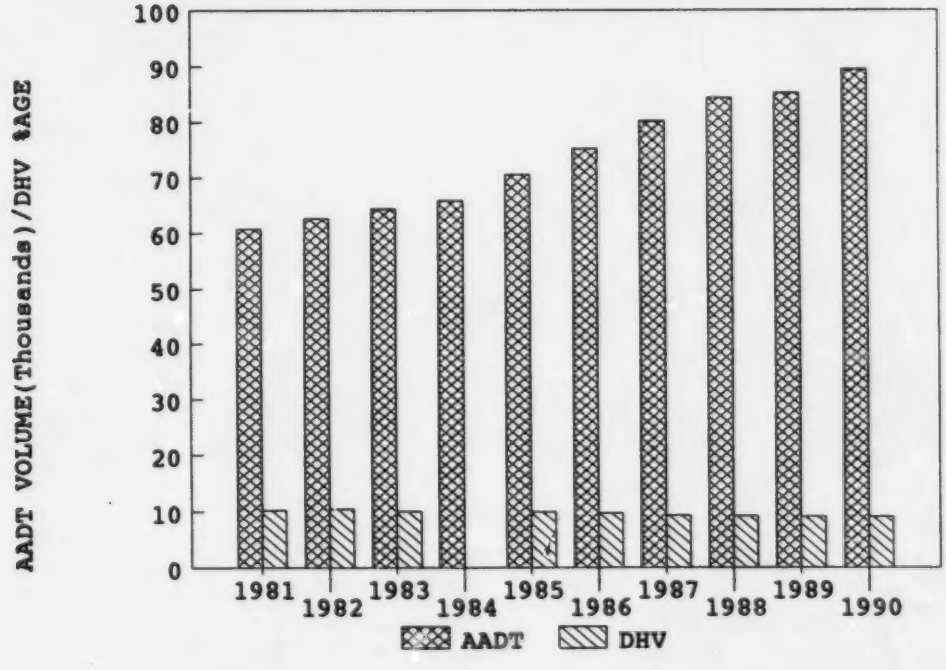
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	80597	85389	FRI	26	96470	WED	31	17	7550
FEB	85848	91028	FRI	2	96957	MON	26	17	7747
MAR	87658	93802	FRI	30	102847	THU	29	17	8090
APR	88667	92191	FRI	27	106049	THU	19	17	7835
MAY	94650	97830	FRI	25	107573	TUE	15	17	7861
JUN	96620	101589	FRI	15	109719	THU	14	17	7876
JUL	95131	100068	FRI	13	111381	FRI	13	17	8364
AUG	96706	99799	FRI	24	111738	THU	16	17	8431
SEP	92027	95503	FRI	7	106904	TUE	4	17	8227
OCT	88857	91833	FRI	5	105999	FRI	5	17	8167
NOV	88994	91565	FRI	23	103195	MON	12	17	7942
DEC	78234	81987	FRI	7	100161	FRI	7	17	7523
			FRI	AUG 24	111738	THU	AUG 16	17	8431

30TH HIGHEST HOUR (DHV) = 8057 9.0% OF AADT
THU SEP 20 16:00 17:00



HISTORICAL DATA: PCS 074 – OTTAWA

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	60844	+ 1.4	73703	6742	6178	10.2
1982	62676	+ 3.0	77690	6824	6512	10.4
1983	64466	+ 2.9	79656	7419	6465	10.0
1984	65921	+ 2.3	82709	N/A	N/A	N/A
1985	70558	+ 7.0	91752	7342	7020	9.9
1986	75211	+ 6.6	95896	7550	7271	9.7
1987	80228	+ 6.7	101331	8149	7368	9.2
1988	84400	+ 5.2	105505	8557	7713	9.1
1989	85212	+ 1.0	106072	8008	7706	9.0
1990	89506	+ 5.0	111738	8431	8057	9.0

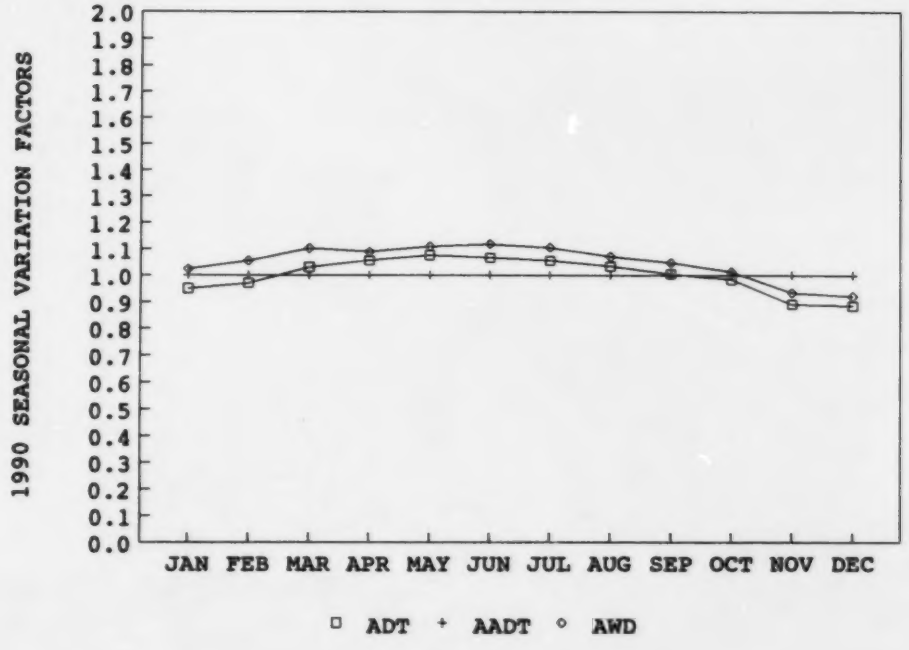


1990 YEARLY REPORT: PCS 075 – KEELE

PCS NAME : KEELE
LOCATION : PRIMARY DESC. - 1.7 KM W OF DUFFERIN ST IC - 364
: SECONDARY DESC. - 0.2 KM E OF KEELE ST IC - 362
HIGHWAY : 401
LHRS : 47654
OFFSET : 01.70
PATTERN TYPE : URBAN COMMUTER

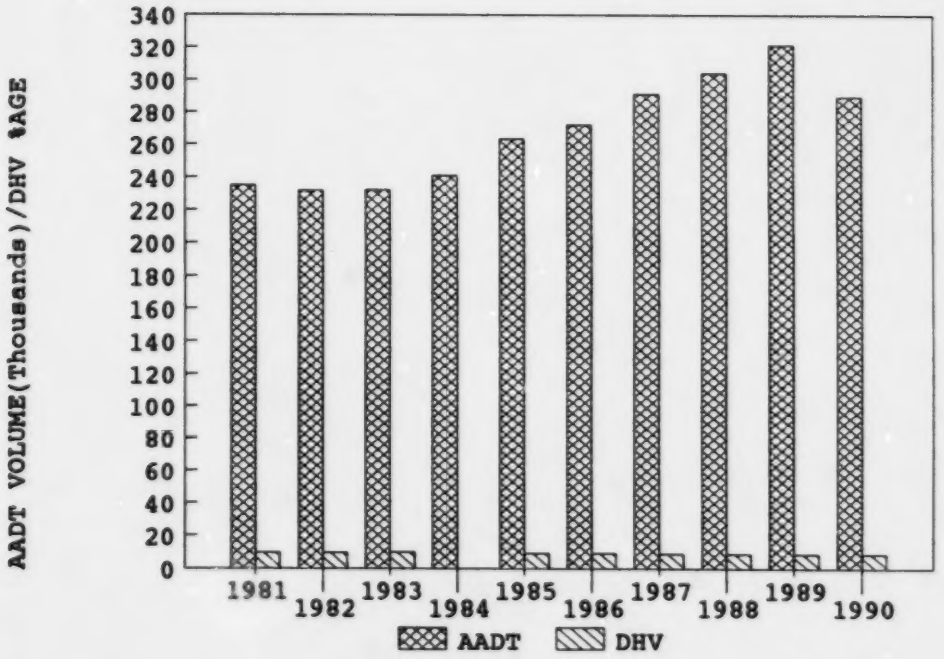
	AVERAGE VOLUMS		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	272910	296190	FRI	12	311180	WED	17	17	24362
FEB	280527	305166	FRI	23	313936	WED	28	8	25368
MAR	300327	319063	FRI	30	350194	THU	8	8	26288
APR	303051	315010	FRI	6	350194	THU	19	8	25748
MAY	311063	320800	FRI	25	354111	THU	3	8	25775
JUN	310421	323696	FRI	15	352086	FRI	15	8	24874
JUL	304133	319932	FRI	13	344549	TUE	3	8	24165
AUG	300889	310088	THU	30	345157	THU	30	8	23621
SEP	289839	303139	FRI	7	335990	FRI	7	8	23709
OCT	284793	293295	FRI	5	334554	THU	25	8	24415
NOV	259121	270422	THU	8	318243	THU	8	8	24881
DEC	256570	266658	FRI	14	320257	TUE	18	17	22880
			FRI MAY 25		354111	THU MAR 8		8	26288

30TH HIGHEST HOUR (DHV) = 25144 8.7% OF AADT
MON MAY 7 07:00-08:00



HISTORICAL DATA: PCS 075 – KEELE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	234907	+ 0.5	278960	23560	22340	9.5
1982	231694	- 1.4	280590	23290	22130	9.6
1983	232036	+ 0.1	280590	23290	22720	9.8
1984	241000	+ 3.9	N/A	N/A	N/A	N/A
1985	263208	+ 9.2	323480	25150	24012	9.1
1986	272407	+ 3.5	339726	25760	24716	9.1
1987	291501	+ 7.0	351607	25850	25284	8.7
1988	304042	+ 4.3	365971	27302	26208	8.6
1989	321631	+ 5.8	393513	29212	27960	8.7
1990	289531	- 10.0	354111	26288	25144	8.7

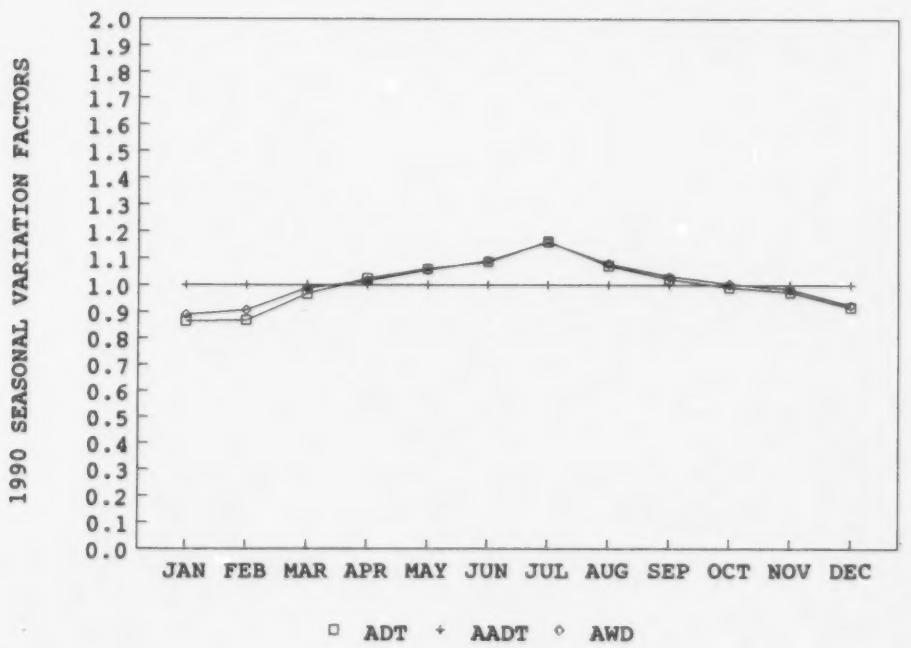


1990 YEARLY REPORT: PCS 077 – LIVERPOOL

PCS NAME : LIVERPOOL
LOCATION : PRIMARY DESC. - 1.3 KM W OF LIVERPOOL RD IC - 397
: SECONDARY DESC. - 1.3 KM E OF WHITES RD IC - 394
HIGHWAY : 401
LHRS : 47610
OFFSET : 01.30
PATTERN TYPE : COMMUTER

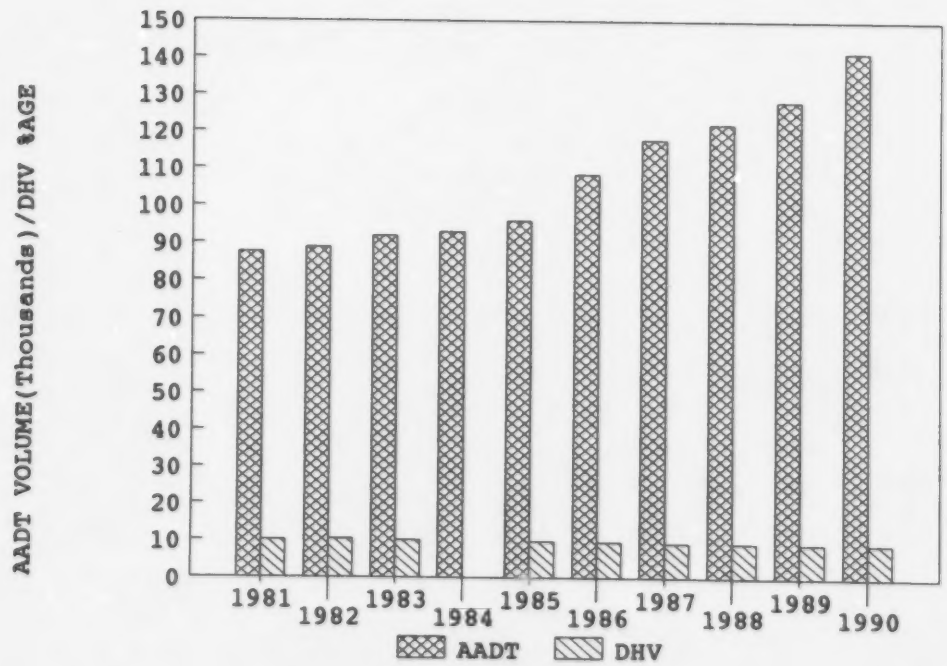
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	121636	125938	FRI	19	143509	FRI	12	17	11131
FEB	122553	128346	FRI	2	137485	TUE	27	17	11179
MAR	137324	139962	FRI	30	161555	FRI	30	17	12201
APR	144247	143787	FRI	27	172519	THU	12	17	12340
MAY	149784	149453	FRI	25	174071	FRI	4	17	12118
JUN	153734	154270	FRI	22	184194	FRI	22	17	13698
JUL	164220	164045	FRI	20	194911	FRI	20	17	14139
AUG	152107	152853	FRI	3	187880	FRI	3	17	12198
SEP	144259	146195	FRI	7	166429	FRI	28	17	11991
OCT	140258	142229	FRI	5	175152	FRI	5	16	11692
NOV	138125	139254	FRI	2	156119	FRI	2	17	11487
DEC	130291	131037	FRI	14	154086	MON	10	17	11332
			FRI JUL 20		194911	FRI JUL 20		17	14139

30TH HIGHEST HOUR (DHV) = 12889 9.1% OF AADT
THU JUL 5 17:00-18:00



HISTORICAL DATA: PCS 077 – LIVERPOOL

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	87419	+ 3.0	122359	10977	8834	10.1
1982	88712	+ 1.5	125971	9568	9206	10.4
1983	91956	+ 3.7	126454	9935	9224	10.0
1984	92963	+ 1.1	128768	N/A	N/A	N/A
1985	95989	+ 3.3	135318	9791	9321	9.7
1986	108522	+ 13.1	148876	10965	10275	9.5
1987	117922	+ 8.7	168207	11795	10871	9.2
1988	122051	+ 3.5	169261	12205	11178	9.2
1989	128324	+ 5.1	177269	12738	11720	9.1
1990	141662	+ 10.4	194911	14139	12889	9.1

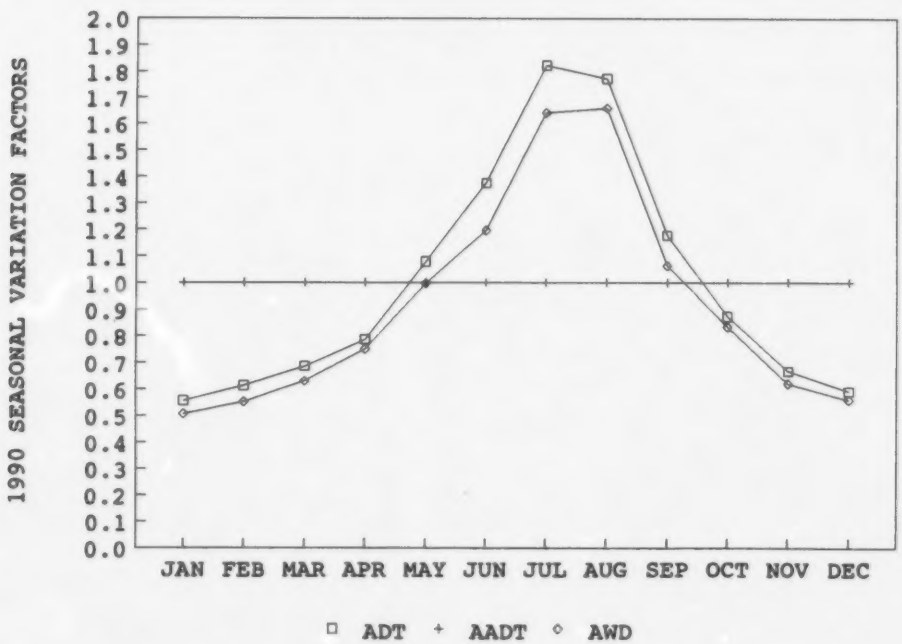


1990 YEARLY REPORT: PCS 086 – KENORA

PCS NAME : KENORA
LOCATION : PRIMARY DESC. - 6.3 KM W OF LINDSAY RD - BOYS TWP
: SECONDARY DESC. - 23.1 KM E OF MANITOBA/ONT BORDER
HIGHWAY : 017
LHRS : 22220
OFFSET : 06.30
PATTERN TYPE : LOW RECREATION

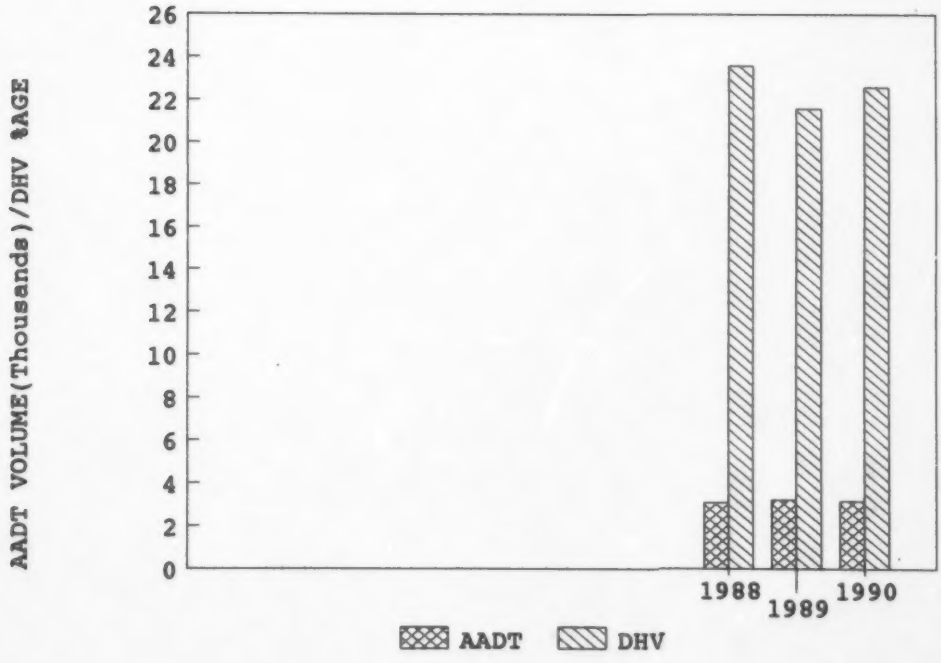
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	1761	1605	FRI	26	2450	SUN	28	17	237
FEB	1931	1751	FRI	9	2442	SUN	25	17	235
MAR	2166	1995	FRI	9	2703	SUN	25	15	287
APR	2479	2378	THU	12	3382	FRI	13	12	339
MAY	3407	3157	MON	21	7444	MON	21	17	862
JUN	4308	3783	FRI	29	8185	FRI	29	19	781
JUL	5772	5202	MON	2	9037	MON	2	16	826
AUG	5569	5259	MON	6	9117	MON	6	18	888
SEP	3752	3365	MON	3	8461	MON	3	17	888
OCT	2751	2640	MON	8	5180	MON	8	16	603
NOV	2105	1963	FRI	9	2865	FRI	9	17	252
DEC	1869	1773	FRI	21	2381	SAT	22	13	212
			MON	AUG 6	9117	MON	AUG 6	18	888

30TH HIGHEST HOUR (DHV) = 714 22.6% OF AADT
MON JUL 2 19:00-20:00



HISTORICAL DATA: PCS 086 – KENORA

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1988	3078	N/A	9226	942	726	23.6
1989	3213	+ 4.4	9166	982	693	21.6
1990	3166	- 1.5	9117	888	714	22.6

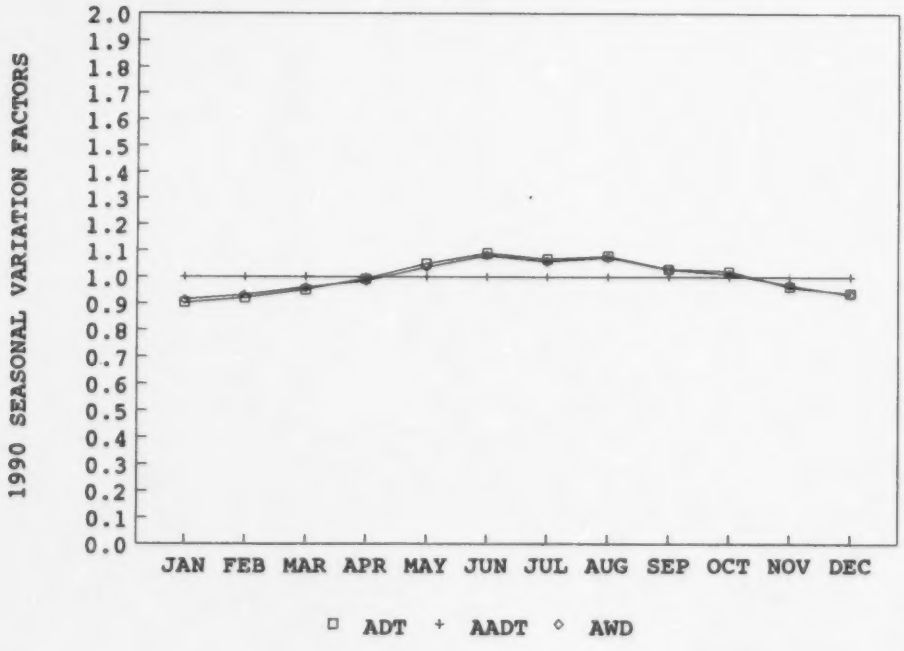


1990 YEARLY REPORT: PCS 090 – SNELGROVE

PCS NAME : SNELGROVE
LOCATION : PRIMARY DESC. - 10.3 KM N OF HWY 7
: SECONDARY DESC. - 0.2 KM S OF PEEL RD 9 - VICTORIA
HIGHWAY : 010
LHRS : 16450
OFFSET : 10.30
PATTERN TYPE : COMMUTER

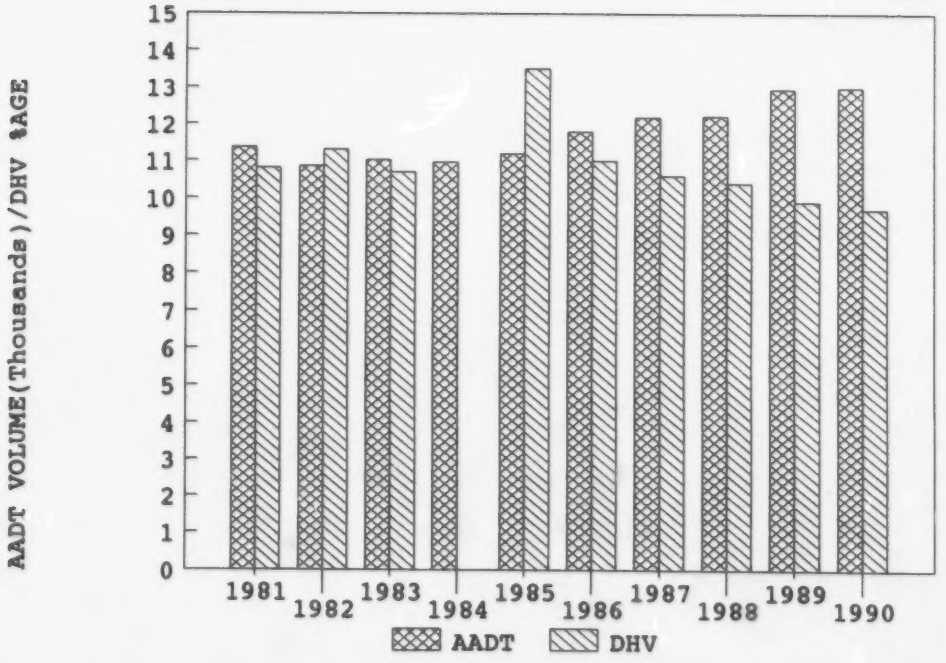
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	11675	11870	FRI	26	13329	WED	31	18	1217
FEB	11971	12130	FRI	23	13417	FRI	16	18	1203
MAR	12406	12481	FRI	2	14263	SUN	25	17	1303
APR	12835	12780	FRI	27	15234	FRI	27	18	1315
MAY	13621	13482	FRI	18	15709	FRI	18	18	1317
JUN	14218	14054	FRI	15	16174	FRI	1	18	1350
JUL	13788	13755	FRI	27	15666	FRI	6	18	1214
AUG	14062	13950	FRI	3	16080	FRI	10	17	1240
SEP	13340	13365	FRI	28	14777	FRI	14	18	1284
OCT	13242	13144	FRI	5	15324	SUN	14	16	1511
NOV	12578	12611	FRI	9	14466	FRI	2	18	1258
DEC	12205	12156	FRI	14	14233	WED	5	18	1278
			FRI JUN 15		16174	SUN OCT 14		16	1511

30TH HIGHEST HOUR (DHV) = 1255 9.7% OF AADT
FRI SEP 21 17:00-18:00



HISTORICAL DATA: PCS 090 – SNELGROVE

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	11360	- 0.2	18752	1361	1231	10.8
1982	10847	- 4.5	16952	1461	1230	11.3
1983	11016	+ 1.6	18354	1859	1175	10.7
1984	10957	- 0.5	16722	N/A	N/A	N/A
1985	11183	+ 2.1	19060	1851	1509	13.5
1986	11796	+ 5.5	16622	1856	1299	11.0
1987	12190	+ 3.3	16955	1905	1292	10.6
1988	12224	+ 0.3	17189	2017	1276	10.4
1989	12948	+ 5.9	17208	1632	1281	9.9
1990	13001	+ 0.4	16174	1511	1255	9.7

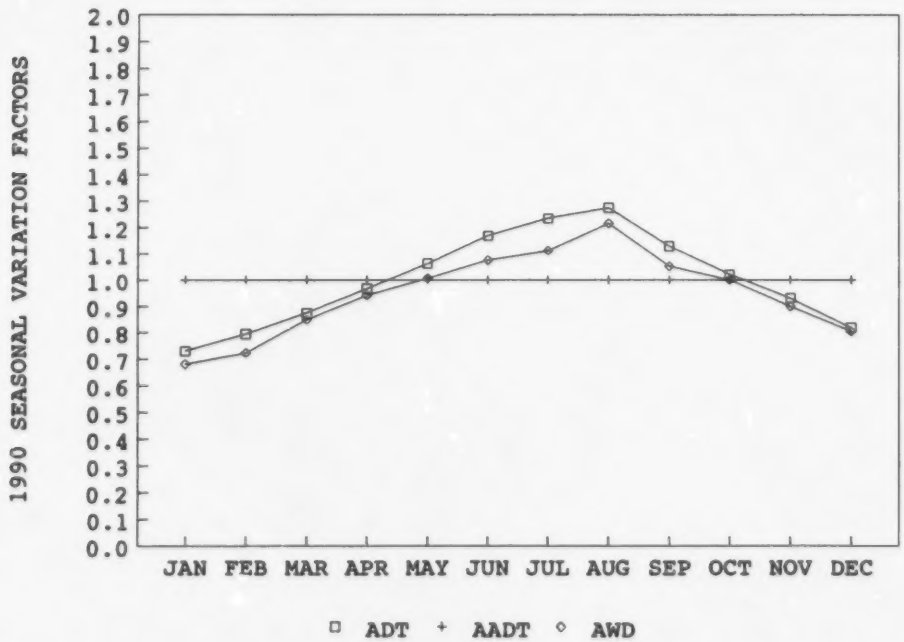


1990 YEARLY REPORT: PCS 091 – KIRBY

PCS NAME : KIRBY
LOCATION : PRIMARY DESC. - 1.2 KM N OF DURHAM RD 9 - KIRBY
: SECONDARY DESC. - 0.7 KM S OF CLARKE 8TH CONCESSION IC
HIGHWAY : 035
LHRS : 27824
OFFSET : 01.20
PATTERN TYPE : INTERMEDIATE RECREATION

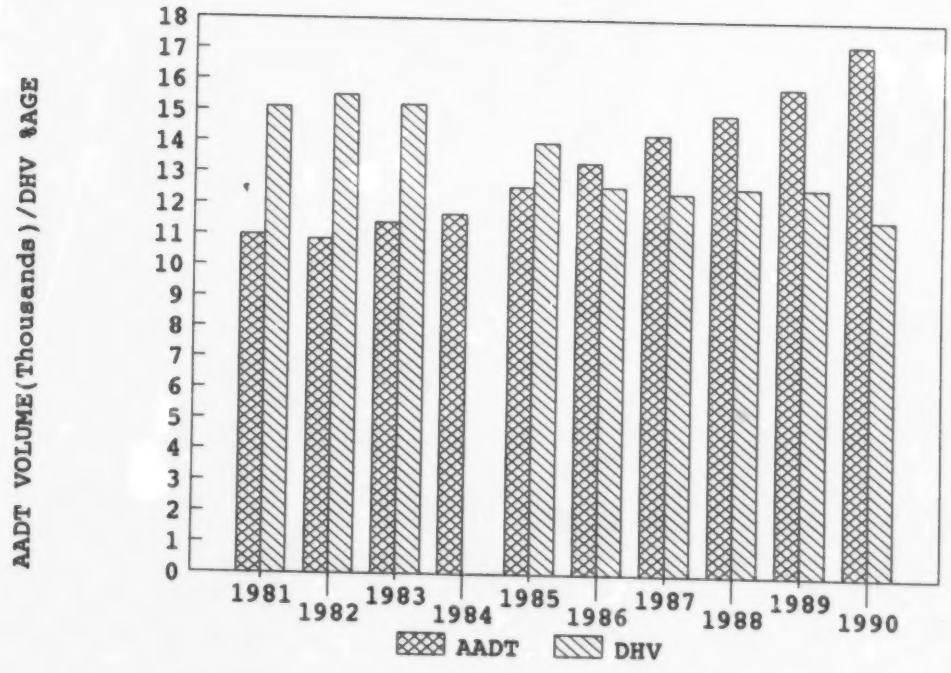
	AVERAGE VOLUMES		MAX. DAILY VOLUME			MAX. HOURLY VOLUME			
MONTH	ADT	AWD	DAY	DATE	VOLUME	DAY	DATE	HOUR	VOLUME
JAN	12489	11742	FRI	26	16333	MON	1	17	1609
FEB	13637	12484	FRI	23	16849	SUN	11	17	1618
MAR	15128	14622	FRI	16	18537	FRI	16	16	1623
APR	16553	16243	FRI	27	20113	FRI	13	12	1787
MAY	18271	17364	FRI	18	23702	MON	21	15	1913
JUN	20195	18536	FRI	29	27755	FRI	29	16	2379
JUL	21220	19157	FRI	27	26001	SAT	28	12	2210
AUG	21883	20950	FRI	31	28415	FRI	31	16	2256
SEP	19499	18140	MON	3	24807	MON	3	15	2049
OCT	17555	17243	FRI	5	25282	MON	8	15	2173
NOV	16079	15501	FRI	2	20079	FRI	9	16	1766
DEC	14170	13881	WED	26	17898	WED	26	13	1733
			FRI	AUG 31	28415	FRI	JUN 29	16	2379

30TH HIGHEST HOUR (DHV) = 1997 11.6% OF AADT
FRI JUN 29 14:00-15:00



HISTORICAL DATA: PCS 091 – KIRBY

YEAR	AADT	% CHANGE/ PREV. YR.	MAX. DAY	MAX. HOUR	30 HH DHV (DHV)	% OF AADT
1981	10979	+ 0.2	21067	1904	1663	15.1
1982	10852	- 1.2	23063	1865	1682	15.5
1983	11391	+ 5.0	24138	2032	1730	15.2
1984	11685	+ 2.6	24771	N/A	N/A	N/A
1985	12570	+ 7.6	22070	1977	1764	14.0
1986	13357	+ 6.3	21812	1872	1688	12.6
1987	14284	+ 6.9	22950	1972	1770	12.4
1988	14962	+ 4.7	24502	2089	1892	12.6
1989	15828	+ 5.8	25638	2223	2000	12.6
1990	17243	+ 8.9	28415	2379	1997	11.6



Auxiliary Counting Stations

Ferry Crossings

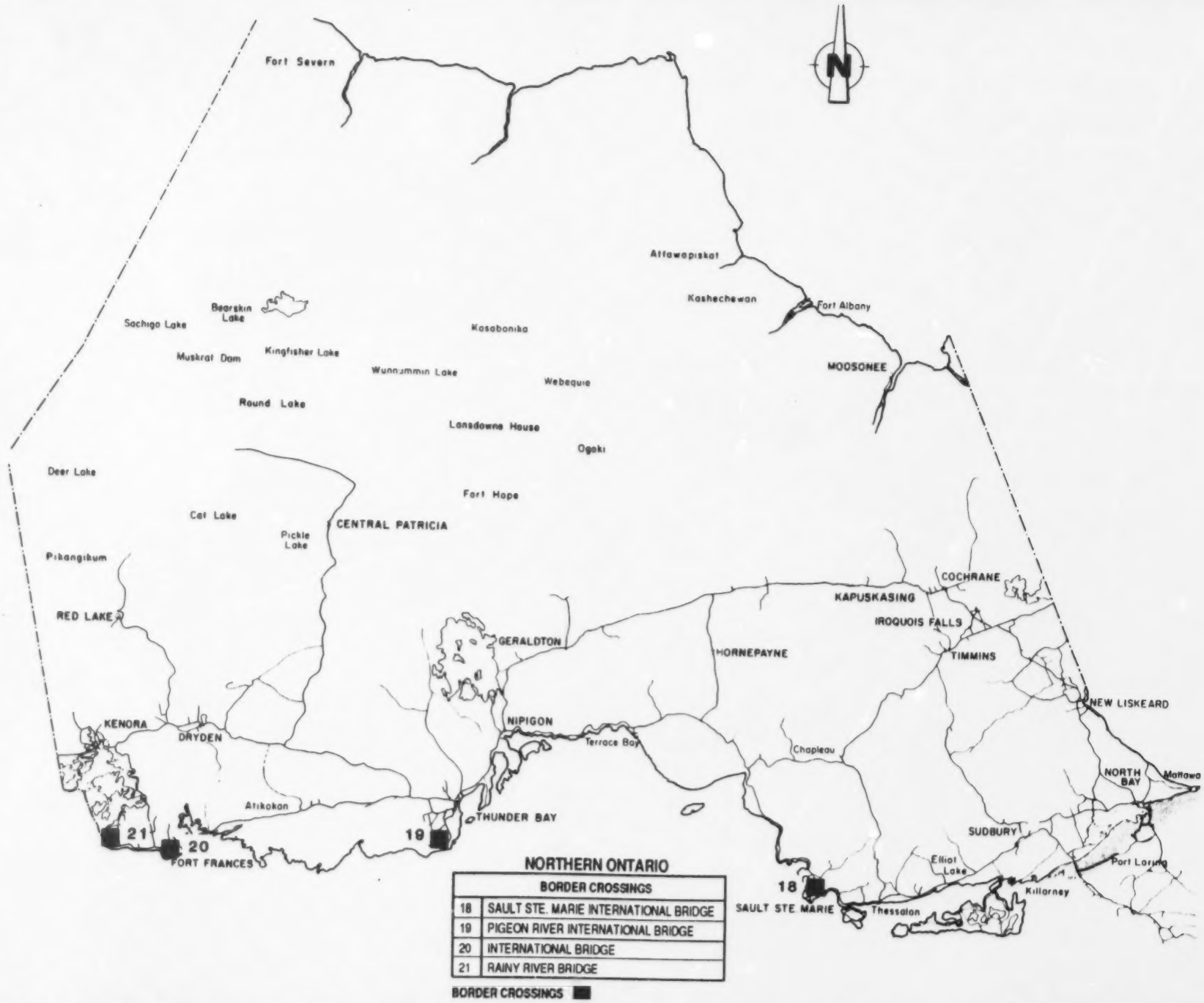
Border Crossings

Service Centres

Auxiliary Counting Stations

Ferry Crossings
Border Crossings
Service Centres

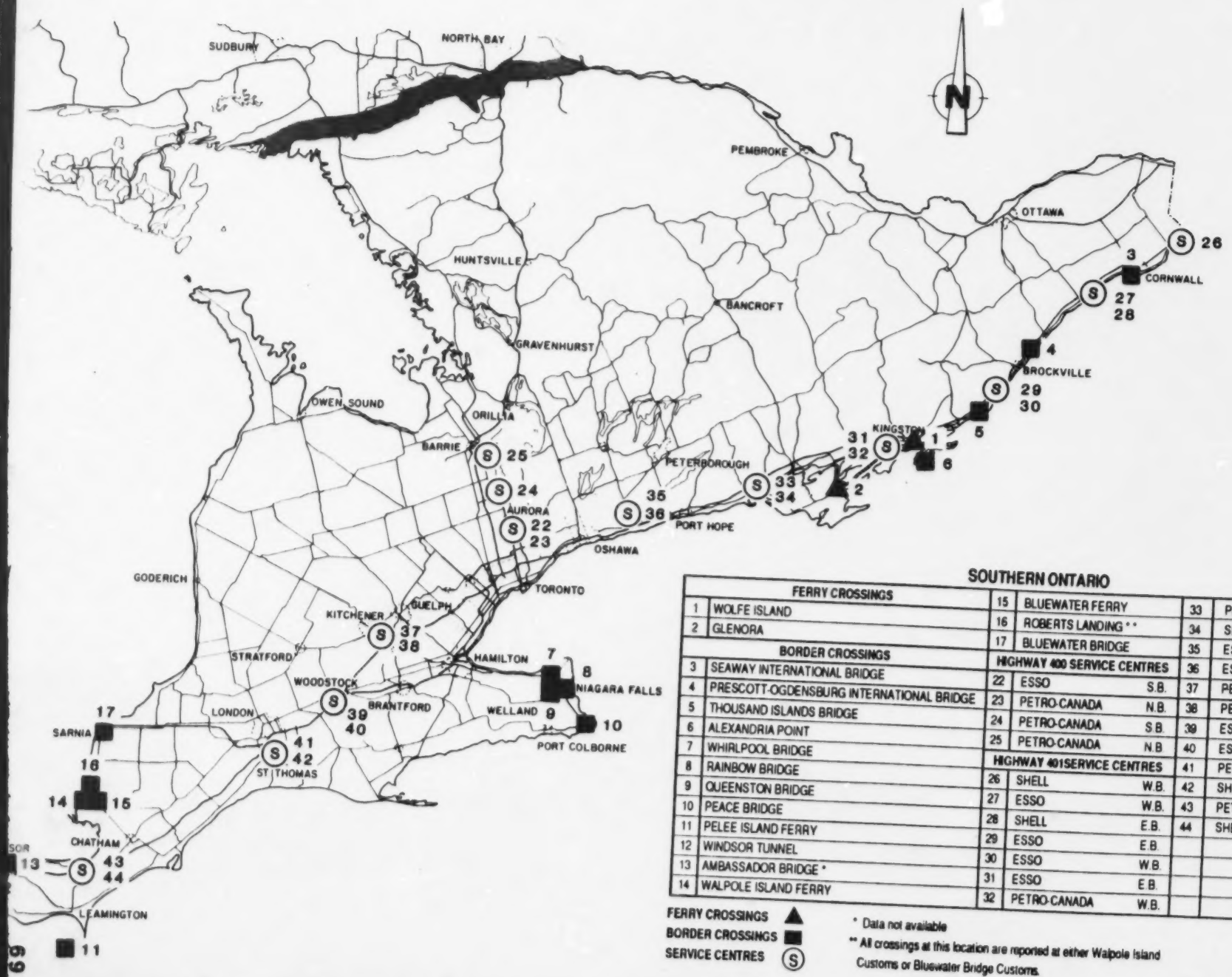
Auxiliary Counting Stations include Ferry Crossings, Border Crossings, and Service Centres. The information gathered at Ferry Crossings and Service Centres is used to monitor the demand for vehicle associated services, and at border crossings to monitor the type and number of vehicles entering the Province of Ontario.



NORTHERN ONTARIO

BORDER CROSSINGS	
18	SAULT STE. MARIE INTERNATIONAL BRIDGE
19	PIGEON RIVER INTERNATIONAL BRIDGE
20	INTERNATIONAL BRIDGE
21	RAINY RIVER BRIDGE

BORDER CROSSINGS ■



SOUTHERN ONTARIO

FERRY CROSSINGS		15	BLUEWATER FERRY		33	PETRO-CANADA	E.B.
1	WOLFE ISLAND	16	ROBERTS LANDING **		34	SHELL	W.B.
2	GLENORA	17	BLUEWATER BRIDGE		35	ESSO	E.B.
BORDER CROSSINGS		**HIGHWAY 400 SERVICE CENTRES**			36	ESSO	W.B.
3	SEAWAY INTERNATIONAL BRIDGE	22	ESSO	S.B.	37	PETRO-CANADA	W.B.
4	PRESCOTT-OGDENSBURG INTERNATIONAL BRIDGE	23	PETRO-CANADA	N.B.	38	PETRO-CANADA	E.B.
5	THOUSAND ISLANDS BRIDGE	24	PETRO-CANADA	S.B.	39	ESSO	W.B.
6	ALEXANDRIA POINT	25	PETRO-CANADA	N.B	40	ESSO	E.B.
7	WHIRLPOOL BRIDGE	**HIGHWAY 401SERVICE CENTRES**			41	PETRO-CANADA	W.B.
8	RAINBOW BRIDGE	26	SHELL	W.B.	42	SHELL	E.B.
9	QUEENSTON BRIDGE	27	ESSO	W.B.	43	PETRO-CANADA	W.B.
10	PEACE BRIDGE	28	SHELL	E.B.	44	SHELL	E.B.
11	PELEE ISLAND FERRY	29	ESSO	E.B.			
12	WINDSOR TUNNEL	30	ESSO	W.B.			
13	AMBASSADOR BRIDGE *	31	ESSO	E.B.			
14	WALPOLE ISLAND FERRY	32	PETRO-CANADA	W.B.			

FERRY CROSSINGS ▲
BORDER CROSSINGS ■
SERVICE CENTRES (S)

* Data not available

** All crossings at this location are reported at either Walpole Island Customs or Bluewater Bridge Customs.

Ferry Crossings

Ferry Crossings

The Ministry of Transportation, operates two ferries; the Glenora Ferry and the Wolfe Island Ferry. Both ferries are operated and monitored by District 8, Kingston. Minor variations in the composition of traffic have been noted from year to year, scheduled service to the public has remained stable.

On the Glenora Ferry, the AADT decreased from 801 to 798, down 0.4% from 1989. The Wolfe Island Ferry, however, increased from an AADT of 993 in 1989 to 1,039 in 1990, up 4.6%.

FERRY CROSSING

MTO FERRY : Glenora and The Quinte Loyalist

LOCATION : Highway 33 - Between Glenora and Picton

DATA : Total Two Way Traffic YEAR : 1990

MONTH	FERRY DEPARTURES	TOTAL CARS	TOTAL TRUCKS	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	PEDESTRIANS
JAN	1,251	12,448	221	12,669	408	N/A
FEB	1,141	11,494	229	11,723	404	N/A
MAR	1,284	14,537	274	14,811	477	N/A
APR	1,279	16,629	265	16,894	563	N/A
MAY	1,526	21,787	550	22,337	720	N/A
JUN	2,262	30,479	722	31,201	1,040	N/A
JUL	2,598	48,270	771	49,041	1,581	N/A
AUG	2,488	44,180	872	45,052	1,453	N/A
SEP	2,274	30,727	599	31,326	1,044	N/A
OCT	1,988	24,774	467	25,241	814	N/A
NOV	1,265	16,173	543	16,716	557	N/A
DEC	1,282	13,904	177	14,081	454	N/A
ANNUAL	20,638	285,402	5,690	291,092	798	N/A

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) - 0.4

Total Cars Includes - Cars, Motorcycles, Trailers
Total Trucks Includes - Trucks, Buses

Source : Ministry of Transportation - District 8

FERRY CROSSING

MTO FERRY : Wolfe Islander III and Charlevoix

LOCATION : Hwy 2, Kingston & Hwy 95/96, Wolfe Island

DATA : Total Two Way Traffic YEAR : 1990

MONTH	FERRY DEPARTURES	TOTAL CARS	TOTAL TRUCKS	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	PEDESTRIANS
JAN	527	22,631	964	23,595	761	9947
FEB	475	21,221	797	22,018	759	8596
MAR	519	25,254	938	26,192	844	11174
APR	513	27,948	908	28,856	961	13275
MAY	419	29,384	1,374	30,758	992	18474
JUN	546	34,534	1,272	35,806	1,193	25051
JUL	571	40,980	1,153	42,133	1,359	36607
AUG	572	40,999	1,458	42,457	1,369	35606
SEP	558	33,633	1,361	34,994	1,166	21619
OCT	564	33,030	1,465	34,495	1,112	16446
NOV	541	28,847	1,254	30,101	1,003	12460
DEC	558	26,845	845	27,690	893	10094
ANNUAL	6,363	365,306	13,789	379,095	1,039	219,349

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 4.6

Total Cars Includes - Cars, Motorcycles, Trailers
Total Trucks Includes - Trucks, Buses

Source : Ministry of Transportation - District 8

Border Crossings

Border Crossings

The Ministry of Tourism, Research Section, provides the Ministry of Transportation with the Border Crossing data. This data consists of the number and types of vehicles entering Ontario at the international Border Crossings between Ontario and the United States and is for "inbound traffic only". It should be noted that the data for the Ambassador Bridge (Windsor-Detroit) is not avialable. This privately owned bridge authority is considering the information confidential.

All border crossings show a substantial increase in vehicles entering Ontario. This may be due to the fact that Canadian tourists are being attracted by generally lower U.S. prices.

BORDER CROSSINGS

CROSSING: Alexandria Point Ferry

LOCATION: From Cape Vincent, New York to Alexandria Pt., Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN						
FEB						
MAR						
APR						
MAY	1126	0	57	1183	38	60.2
JUN	2181	0	277	2458	81	62.9
JUL	4751	0	380	5131	165	61.9
AUG	4908	0	348	5256	169	66.1
SEP	2117	0	229	2346	78	55.8
OCT	990	0	39	1029	33	48.0
NOV						
DEC						
ANNUAL	13952	0	1553	17403	95	61.5

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 5.6 (operational months)

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Seaway International Bridge

LOCATION: From Massena, New York to Cornwall, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	36279	1609	0	37888	1222	39.0
FEB	35030	1725	1	36756	1312	40.0
MAR	37386	1568	4	38958	1256	39.7
APR	32769	1119	37	33925	1130	42.2
MAY	27372	1463	81	28916	932	44.1
JUN	37825	1954	176	39955	1331	41.8
JUL	44090	1840	173	46103	1487	35.2
AUG	63780	1626	254	65660	2118	31.3
SEP	44668	1460	125	46253	1541	34.4
OCT	55042	1527	50	56619	1826	36.2
NOV	79357	2528	25	81910	2730	21.3
DEC	82171	2648	0	84819	2736	22.8
ANNUAL	575769	21067	926	597762	1638	33.2

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 0.7

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Peace Bridge

LOCATION: From Buffalo, New York to Fort Erie, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	213342	31264	75	244681	7892	50.9
FEB	193264	28621	20	221905	7925	50.4
MAR	255638	33017	103	288758	9314	49.5
APR	270136	31051	92	301279	10042	52.7
MAY	306165	30927	425	337517	10887	59.0
JUN	359205	29528	786	389519	12983	63.6
JUL	468365	26098	695	495158	15972	64.6
AUG	470675	29738	978	501391	16173	63.5
SEP	329785	29028	686	359499	11983	58.6
OCT	288735	36669	160	325564	10502	54.7
NOV	260121	34255	179	294555	9818	49.3
DEC	242724	27998	27	270749	8733	48.5
ANNUAL	3658155	368194	4226	4030575	11043	56.8

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 9.3

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: International Bridge

LOCATION: From International Falls, Minn. to Fort Frances, Ont.

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	33313	1329	29	34671	1118	22.5
FEB	31337	1087	107	32531	1161	21.3
MAR	38560	1659	57	40276	1299	21.5
APR	37899	1484	183	39566	1318	19.4
MAY	45793	1202	350	47345	1527	38.6
JUN	56888	867	387	58142	1938	52.8
JUL	54504	849	436	55789	1799	41.9
AUG	53984	492	328	54804	1767	40.7
SEP	45084	527	156	45767	1525	35.9
OCT	37866	689	103	38658	1247	21.7
NOV	33921	994	46	34961	1165	17.6
DEC	36436	804	3	37243	1201	18.7
ANNUAL	505585	11983	2185	519753	1424	31.5

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 6.9

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Thousand Islands Bridge

LOCATION: From Collins Bay, New York to Lansdowne, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	26954	10252	6	37212	1200	26.1
FEB	27229	10125	10	37364	1334	30.3
MAR	47258	11948	10	59216	1910	21.5
APR	57412	11265	143	68820	2294	23.3
MAY	63892	11662	519	76073	2453	42.5
JUN	69705	11104	739	81548	2718	51.4
JUL	111864	9601	973	122438	3949	47.1
AUG	121037	10288	957	132282	4267	44.8
SEP	74375	10344	533	85252	2841	38.4
OCT	55044	12089	114	67247	2169	31.4
NOV	41880	10781	43	52704	1756	26.3
DEC	42764	10814	41	53619	1729	28.9
ANNUAL	739414	130273	4088	873775	2394	36.1

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 10.2

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Queenston Bridge

LOCATION: From Lewiston, New York to Queenston, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	146175	25852	16	172043	5549	33.5
FEB	137902	26449	4	164355	5869	26.6
MAR	159548	32067	24	191639	6181	26.9
APR	170840	28337	123	199300	6643	33.3
MAY	194554	29476	244	224274	7234	29.8
JUN	212837	29503	505	242845	8094	28.1
JUL	270263	25626	567	296456	9563	34.1
AUG	286735	25997	753	313485	10112	34.1
SEP	209815	25033	716	235564	7852	39.2
OCT	205391	28156	346	233893	7544	38.0
NOV	264975	24581	27	289583	9652	36.0
DEC	191078	19045	5	210128	6778	30.1
ANNUAL	2450113	320122	3330	2773565	7599	32.3

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 25.5

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Rainbow Bridge

LOCATION: From Niagara Falls, New York to Niagara Falls, Ont.

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	83599	0	24	83623	2697	32.2
FEB	73277	0	12	73289	2617	31.4
MAR	130452	0	120	130572	4212	33.6
APR	149953	0	185	150138	5004	37.4
MAY	182386	0	591	182977	5902	38.4
JUN	199054	0	814	199868	6662	45.3
JUL	270821	0	1558	272379	8786	51.9
AUG	279003	0	1159	280162	9037	48.6
SEP	203919	0	707	204626	6820	41.3
OCT	200386	0	169	200555	6469	37.2
NOV	195800	0	110	195910	6530	26.1
DEC	181344	0	88	181432	5852	26.5
ANNUAL	2149994	0	5537	2155531	5906	46.6

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 2.6

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Whirlpool Bridge

LOCATION: From Niagara Frontier, New York to Niagara Falls, Ont.

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	102996	1920	27	104943	3385	25.3
FEB	89434	1798	43	91275	3259	23.4
MAR	91288	2010	82	93380	3012	24.7
APR	96157	2659	270	99086	3302	26.9
MAY	98548	2673	337	101558	3276	27.8
JUN	108942	2990	314	112246	3741	23.3
JUL	111577	2845	536	114958	3708	25.7
AUG	110252	2874	597	113723	3668	25.2
SEP	100122	2679	341	103142	3438	20.1
OCT	97612	2885	295	100792	3251	20.5
NOV	102754	1490	198	104442	3481	16.3
DEC	91980	1174	95	93249	3008	15.6
ANNUAL	1201662	27997	3135	1232794	3378	24.4

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 19.5

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Pelee Island Ferry

LOCATION: From Sandusky, Ohio to Pelee Island, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN			58			
FEB						
MAR						
APR						
MAY	72		0	72	2	94.4
JUN	301		63	364	12	87.6
JUL	449		113	562	18	85.1
AUG	473		149	622	20	87.1
SEP	132		10	142	4	77.5
OCT						
NOV						
DEC						
ANNUAL	1427	0	393	1762	10	87.9

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 25.5 (operational months)

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Pigeon River International Bridge

LOCATION: From Grand Portage, Minn. to Pigeon River, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	5226	1851	4	7081	228	32.1
FEB	5260	1527	2	6789	242	34.2
MAR	8497	1487	5	9989	322	27.4
APR	8168	1419	9	9596	319	23.0
MAY	11487	1562	78	13127	423	45.2
JUN	15357	1472	155	16984	566	58.3
JUL	19466	1337	371	21174	683	47.6
AUG	24522	1487	307	26316	848	46.6
SEP	16406	1101	162	17669	588	41.1
OCT	11942	981	13	12936	417	25.5
NOV	10284	1026	3	11313	377	15.0
DEC	7072	1094	0	8166	263	20.0
ANNUAL	143687	16344	1109	161140	441	44.2

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 17.0

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Prescott-Ogdensburg International Bridge

LOCATION: From Ogdensburg, New York to Prescott, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	13223	1426	9	14658	472	34.5
FEB	12970	1688	2	14660	523	33.8
MAR	15850	1209	15	17074	550	32.3
APR	16330	1212	52	17594	586	31.8
MAY	19098	1435	141	20674	666	35.4
JUN	19470	1238	225	20933	697	35.1
JUL	27717	1076	256	29049	937	32.2
AUG	31223	1264	237	32724	1055	30.1
SEP	23376	1122	89	24587	819	26.7
OCT	22185	1388	53	23626	762	27.7
NOV	21344	1314	13	22671	755	25.6
DEC	19102	1164	8	20274	654	25.3
ANNUAL	241888	15536	1100	258524	708	30.6

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 27.3

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Rainy River Bridge

LOCATION: From Baudette, Minnesota to Rainy River, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	9741	385	95	10221	365	13.5
FEB	10223	373	1	10597	378	12.0
MAR	12480	398	16	12894	415	10.0
APR	12738	575	74	13387	446	10.6
MAY	15827	395	74	16296	525	20.3
JUN	17800	295	127	18222	607	27.0
JUL	19080	266	249	19595	632	24.0
AUG	17954	321	166	18441	594	21.1
SEP	14897	331	177	15405	513	20.3
OCT	13207	361	77	13645	440	13.9
NOV	11692	322	25	12039	401	11.2
DEC	11090	201	1	11292	364	12.2
ANNUAL	166729	4223	1082	172034	471	17.4

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 18.0

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Bluewater Bridge

LOCATION: From Port Huron, Michigan to Sarnia, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	150995	21116	25	172136	5552	56.5
FEB	136347	21520	30	157897	5639	56.0
MAR	171366	25835	33	197234	6362	52.2
APR	178943	26180	357	205480	6849	54.3
MAY	201846	27500	446	229792	7412	42.5
JUN	214593	27757	573	242923	8097	46.1
JUL	259361	23588	532	283481	9144	44.6
AUG	270268	25935	434	296687	9570	44.5
SEP	214688	25930	315	240933	8031	42.8
OCT	214218	27768	187	242173	7812	35.7
NOV	210803	24765	19	235587	7852	30.2
DEC	198148	18298	54	216500	6983	31.6
ANNUAL	2421576	296192	3055	2720823	7454	39.6

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 19.5

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Sault Ste. Marie International Bridge

LOCATION: From Sault Ste Marie, Mich. to Sault Ste Marie, Ont.

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	101654	2577	754	104985	3386	18.1
FEB	99514	3000	1183	103697	3703	16.3
MAR	115618	3502	384	119504	3854	15.8
APR	111603	3207	77	114887	3829	13.9
MAY	133911	5128	747	139786	4509	21.5
JUN	146491	4040	1086	151617	5053	27.8
JUL	172673	3845	1583	178101	5745	24.4
AUG	156175	2748	1675	160598	5180	32.6
SEP	146025	2539	381	148945	4964	26.1
OCT	139145	2909	400	142454	4595	19.7
NOV	122960	2272	67	125299	4176	15.8
DEC	121908	1963	11	123882	3996	15.5
ANNUAL	1567677	37730	8348	1613755	4421	21.4

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 12.5

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Bluewater Ferry

LOCATION: From Marine City, Michigan to Sombra, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	2573	176	0	2749	88	32.3
FEB	3878	268	6	4152	148	34.2
MAR	6229	386	3	6618	213	25.7
APR	5952	306	36	6294	209	21.1
MAY	6967	445	40	7452	240	36.7
JUN	7220	376	20	7616	253	37.2
JUL	7775	305	95	8175	263	37.2
AUG	10074	293	33	10400	335	29.7
SEP	6584	311	20	6915	230	39.0
OCT	5842	259	22	6123	197	36.1
NOV	5592	268	5	5865	195	24.7
DEC	9197	235	9	9441	304	30.1
ANNUAL	77883	3628	289	81800	224	32.1

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 45.5

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Walpole Island Ferry

LOCATION: From Algonac, Michigan to Walpole Island, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	2949	0	0	2949	95	27.5
FEB	2689	0	0	2689	96	28.2
MAR	4851	0	0	4851	156	20.1
APR	4932	0	3	4935	164	24.9
MAY	6162	0	4	6166	198	22.8
JUN	5145	0	3	5148	171	31.3
JUL	6733	0	8	6741	217	36.0
AUG	8745	0	5	8750	282	28.8
SEP	8641	0	13	8654	288	31.7
OCT	7866	0	9	7875	254	28.9
NOV	7120	0	14	7134	237	24.9
DEC	7140	0	4	7144	230	18.1
ANNUAL	72973	0	63	73036	200	27.1

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 53.9

Source : Ministry of Tourism : Research Section

BORDER CROSSINGS

CROSSING: Windsor (Tunnel only)

LOCATION: From Detroit, Michigan to Windsor, Ontario

DATA: Inbound Traffic Only YEAR: 1990

MONTH	TOTAL CARS	TOTAL TRUCKS	TOTAL OTHER	TOTAL VEHICLES	AVERAGE DAILY TRAFFIC	FOREIGN COMPONENT (%)
JAN	240612	11792	0	252404	8142	47.0
FEB	217626	10529	0	228155	8148	47.6
MAR	269765	11224	0	280989	9064	48.2
APR	264464	10727	0	275191	9173	49.5
MAY	286663	13611	0	300274	9686	47.5
JUN	274168	10859	0	285027	9500	51.9
JUL	304601	8620	0	313221	10103	54.6
AUG	322811	10519	0	333330	10752	51.9
SEP	278786	9913	0	288699	9623	45.7
OCT	281855	11122	0	292977	9450	43.4
NOV	284102	11007	0	295109	9836	44.3
DEC	281513	9551	0	291064	9389	44.8
ANNUAL	3306966	129474	0	3436440	9415	48.1

PERCENT CHANGE OVER PREVIOUS YEAR (AADT) + 8.6

Source : Ministry of Tourism : Research Section

Service Centres

Service Centres

There are twenty-three service centres located along Highway 400 and 401. Traffic is counted on the highway section and service centre entrance as part of the inventory Count Program. Since the service centres are located on divided highways, it is assumed that one half (assuming directional split of 50/50) of the highway traffic has access. It should be noted that the "1/2 AADT of Highway Volume" includes the "AADT Service Centre Ramp" volume.

The Site No. corresponds to the number on the Service Centre map which refers to the actual number of each Service Centre. This is for easy reference for both internal and external users.

The HPO No., for internal use only, indicates the highway, station and ramp number of each Service Centre and is taken from the the Inventory Count Management System.

The LHRS/Offset No., also for internal use, is a common referencing system to facilitate the identification of any location within the highway network, used for the purpose of data collection, processing and storage.

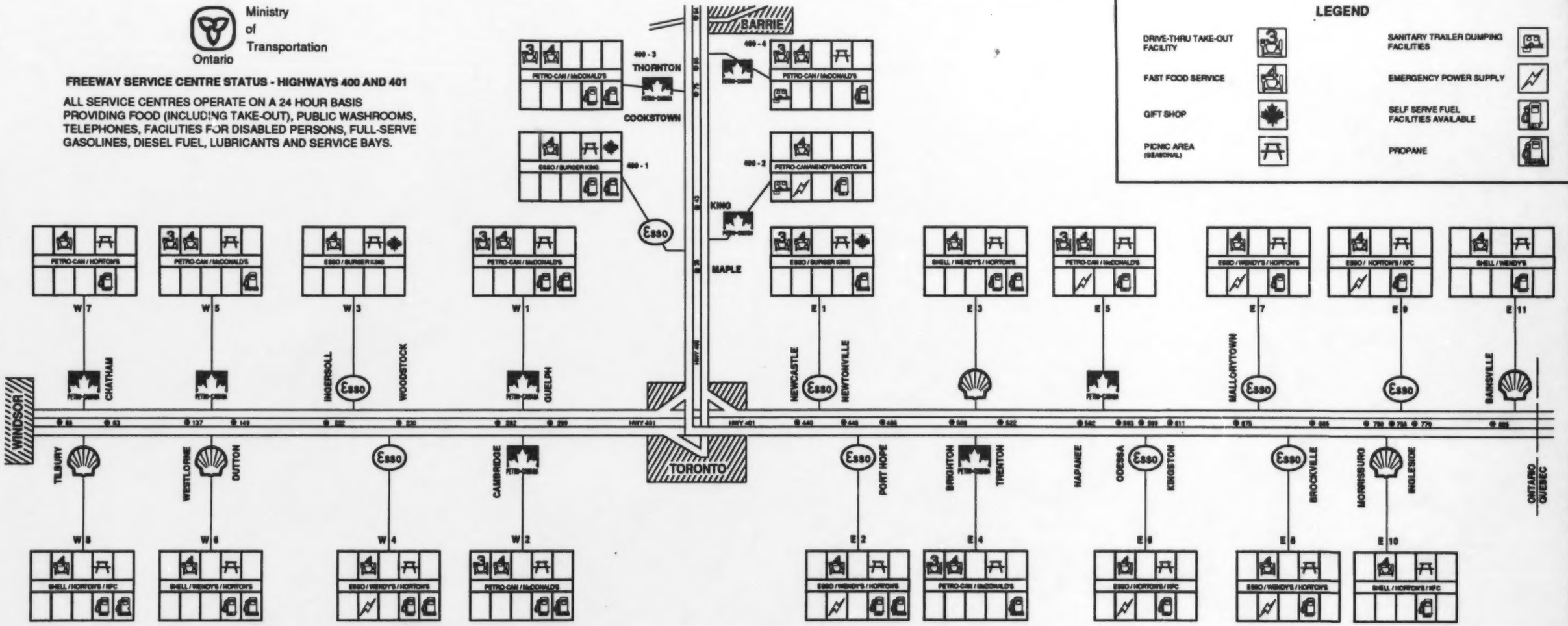
Traffic volume data is gathered annually for the Fleet and Service Centre Administration Office and the major oil companies to assist in the analysis of major initiatives such as the conversion of restaurants and expansion of facilities or services. Since 1984, the service centres which have converted to fast food outlets continue to show an increase in traffic volumes.

Also included is a chart with the locations of all the Service Centres on Highway 400 and 401 containing the information on facilities and services available at each location, e.g. gift shops, fast food services, etc.

Ministry of Transportation
Ontario

FREEWAY SERVICE CENTRE STATUS - HIGHWAYS 400 AND 401

ALL SERVICE CENTRES OPERATE ON A 24 HOUR BASIS PROVIDING FOOD (INCLUDING TAKE-OUT), PUBLIC WASHROOMS, TELEPHONES, FACILITIES FOR DISABLED PERSONS, FULL-SERVE GASOLINES, DIESEL FUEL, LUBRICANTS AND SERVICE BAYS.



SOURCE; Ontario Government Fleet and Service Centre Administration Office
Supply & Services Branch

SERVICE CENTRES

HIGHWAY 400 - South Bound — ESSO

Between IC 35 - Major MacKenzie Drive
and IC 43 - King City Road

SITE #: 400-1
HPO: 400 130 93
LHRS/OFFSET: 46827 3.6

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	23,200	1,050	4.5
1985	24,000	1,900	7.9
1986	25,700	2,000	7.8
1987	27,000	2,150	8.0
1988	27,700	1,950	7.0
1989	32,100	2,000	6.2
1990	31,300	2,000	6.4

HIGHWAY 400 - North Bound — PETRO-CANADA

Between IC 35 - Major McKenzie Drive
and IC 43 - King City Road

SITE #: 400-2
HPO: 400 130 92
LHRS/OFFSET: 46827 5.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	23,200	1,850	8.0
1985	24,000	1,700	7.1
1986	25,700	1,800	7.0
1987	27,000	1,950	7.2
1988	27,700	2,000	7.2
1989	32,100	1,800	5.6
1990	31,300	1,650	5.3

SERVICE CENTRES

HIGHWAY 400 - South Bound

PETRO-CANADA

At IC 75 - Highway 89

SITE #: 400-3
HPO: 400 170 703
LHRS/OFFSET: 46860 0.1

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	14,825	900	6.1
1985	16,850	1,200	7.1
1986	16,225	1,450	8.9
1987	18,225	1,800	9.9
1988	18,650	1,850	9.9
1989	22,450	1,700	7.6
1990	22,500	1,700	7.6

HIGHWAY 400 - North Bound

PETRO-CANADA

Between IC 85 - Innisfil Beach Road
and IC 94 - Highway 27

SITE #: 400-4
HPO: 400 180 704
LHRS/OFFSET: 46875 1.6

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	14,375	1,050	7.3
1985	15,425	1,400	9.1
1986	16,000	1,600	10.0
1987	18,000	1,750	9.7
1988	18,000	1,900	10.6
1989	23,250	2,400	10.3
1990	22,800	2,100	9.2

SERVICE CENTRES

HIGHWAY 401 - West Bound — SHELL

Between Ontario/Quebec Boundary
and IC 825 - Curry Hill Road

SITE #: E11
HPO: 401 20 960
LHRS/OFFSET: 47200 1.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	5,875	1,100	18.7
1985	6,250	900	14.4
1986	6,900	1,200	17.4
1987	6,550	1,050	16.0
1988	6,800	1,100	16.2
1989	6,200	1,300	21.0
1990	7,100	1,250	17.6

HIGHWAY 401 - West Bound — ESSO

Between IC 770 - Dickinson Road
and IC 758 - Upper Canada Road

SITE #: E9
HPO: 401 70 962
LHRS/OFFSET: 47280 0.3

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	4,775	900	18.8
1985	4,950	1,000	20.2
1986	5,450	1,100	20.2
1987	5,800	1,100	19.0
1988	6,225	1,000	16.1
1989	5,650	1,100	19.5
1990	6,400	1,500	23.4

SERVICE CENTRES

HIGHWAY 401 - East Bound — SHELL

Between IC 758 - Upper Canada Road
and IC 750 - Highway 31

SITE #: E10
HPO: 401 75 961
LHRS/OFFSET: 47290 0.3

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	4,725	950	20.1
1985	5,000	1,250	25.0
1986	5,500	1,000	18.2
1987	5,850	1,250	21.4
1988	6,155	1,250	20.3
1989	6,300	1,400	22.2
1990	7,200	1,600	22.2

HIGHWAY 401 - East Bound — ESSO

Between IC 685 - Thousand Islands Parkway
and IC 675 - Mallorytown Road

SITE #: E8
HPO: 401 137 963
LHRS/OFFSET: 47354 0.1

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	5,400	1,050	19.4
1985	5,500	1,150	20.9
1986	6,000	1,200	20.0
1987	6,300	1,250	19.8
1988	7,275	1,400	19.2
1989	8,150	1,400	17.2
1990	9,000	1,600	17.8

SERVICE CENTRES

HIGHWAY 401 - West Bound — **ESSO**

Between IC 685 - Thousand Islands Parkway
and IC 675 - Mallorytown Road

SITE #: E7
HPO: 401 137 964
LHRS/OFFSET: 47354 0.2

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	5,400	1,150	21.3
1985	5,500	1,250	22.7
1986	6,000	1,300	21.7
1987	6,300	1,350	21.4
1988	7,275	1,350	18.6
1989	8,150	1,450	17.8
1990	9,000	1,700	18.9

HIGHWAY 401 - East Bound — **ESSO**

Between IC 611 - Highway 38
and IC 599 - Wilton Road

SITE #: E6
HPO: 401 190 965
LHRS/OFFSET: 47420 5.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	8,025	1,350	16.8
1985	8,300	1,400	16.9
1986	8,800	1,400	15.9
1987	10,500	1,450	13.8
1988	10,875	1,500	13.8
1989	11,600	1,500	12.9
1990	11,600	1,800	15.5

SERVICE CENTRES

HIGHWAY 401 - West Bound — PETRO-CANADA

Between IC 593 - Hwy 133/Camden East Road
and IC 582 - Palace Road

SITE #: E5
HPO: 401 215 966
LHRS/OFFSET: 47430 5.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	7,875	900	11.4
1985	7,750	1,000	12.9
1986	8,400	1,100	13.1
1987	9,150	1,100	12.0
1988	9,400	1,150	12.2
1989	10,900	1,200	11.0
1990	11,300	1,500	13.3

HIGHWAY 401 - East Bound — PETRO-CANADA

Between IC 522 - Wooler Road
and IC 509 - Highway 30

SITE #: E4
HPO: 401 270 95
LHRS/OFFSET: 47494 3.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	9,350	1,400	15.0
1985	9,450	2,000	21.2
1986	9,600	2,100	21.9
1987	10,000	2,450	24.5
1988	10,575	2,350	22.2
1989	12,500	2,000	16.0
1990	11,300	1,900	16.8

SERVICE CENTRES

HIGHWAY 401 - West Bound — **SHELL**

Between IC 522 - Wooler Road
and IC 509 - Highway 30

SITE #: E3
HPO: 401 270 96
LHRS/OFFSET: 47494 2.8

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	9,350	2,000	21.4
1985	9,450	1,800	19.0
1986	9,600	2,000	20.8
1987	10,000	2,550	25.5
1988	10,575	2,800	26.5
1989	12,500	3,000	24.0
1990	11,300	2,850	25.2

HIGHWAY 401 - East Bound — **ESSO**

Between IC 456 - Wesleyville Road
and IC 448 - Newtonville Road

SITE #: E2
HPO: 401 315 95
LHRS/OFFSET: 47555 4.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	12,550	2,000	15.9
1985	13,300	2,050	15.4
1986	13,650	1,950	14.3
1987	16,600	2,950	17.8
1988	17,225	3,150	18.3
1989	18,450	3,200	17.3
1990	17,850	3,900	21.8

SERVICE CENTRES

HIGHWAY 401 - West Bound — **ESSO**

Between IC 448 - Newtonville Road
and IC 440 - Mill Street

SITE #: E1
HPO: 401 320 96
LHRS/OFFSET: 47560 4.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	12,050	2,300	19.1
1985	13,000	2,500	19.2
1986	13,450	2,650	19.7
1987	15,000	3,350	22.3
1988	15,600	2,700	17.3
1989	17,500	2,650	15.1
1990	18,600	2,700	14.5

HIGHWAY 401 - West Bound — **PETRO-CANADA**

Between IC 299 - Highway 6
and IC 282 - Waterloo/Wellington Road 33

SITE #: W1
HPO:401 647 96
LHRS/OFFSET: 47723 5.5

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	17,750	2,000	11.3
1985	19,700	2,250	11.4
1986	19,950	2,350	11.8
1987	21,000	2,550	12.1
1988	26,550	2,800	10.5
1989	29,050	3,800	13.1
1990	29,500	3,750	12.7

SERVICE CENTRES

HIGHWAY 401 - East Bound — PETRO-CANADA

Between IC 299 - Highway 6
and IC 282 - Waterloo/Wellington Road 33

SITE #: W2
HPO:401 647 95
LHRS/OFFSET: 47723 6.1

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	17,750	2,000	11.3
1985	19,700	2,050	10.4
1986	19,950	2,200	11.0
1987	21,000	2,450	11.7
1988	26,550	2,850	10.7
1989	29,050	3,600	12.4
1990	29,500	3,700	12.5

HIGHWAY 401 - West Bound — ESSO

Between IC 230 - Sweaburg Road
and IC 222 - Oxford Road 6

SITE #: W3
HPO: 401 735 987
LHRS/OFFSET: 47784 6.3

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	13,350	1,700	12.7
1985	13,450	2,300	17.1
1986	14,200	2,450	17.3
1987	15,500	2,800	18.1
1988	17,375	2,850	16.4
1989	18,700	2,850	15.2
1990	18,900	3,400	18.0

SERVICE CENTRES

HIGHWAY 401 - East Bound — ESSO

Between IC 230 - Sweaburg Road
and IC 222 - Oxford Road 6

SITE #: W4
HPO: 401 735 988
LHRS/OFFSET: 47784 5.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	13,350	1,900	14.2
1985	13,450	2,150	16.0
1986	14,200	2,050	14.4
1987	15,500	2,300	14.8
1988	17,375	2,550	14.7
1989	18,700	3,100	16.6
1990	18,900	3,300	17.5

HIGHWAY 401 - West Bound — PETRO-CANADA

Between IC 149 - Currie Road
and IC 137 - Highway 76

SITE #: W5
HPO: 401 770 989
LHRS/OFFSET: 47850 3.0

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	7,625	1,400	18.4
1985	7,700	1,900	24.7
1986	7,700	2,050	26.6
1987	8,300	2,250	27.1
1988	8,850	2,300	26.0
1989	8,900	2,300	25.8
1990	9,000	2,200	24.4

SERVICE CENTRES

HIGHWAY 401 - East Bound

SHELL

Between IC 149 - Currie Road
and IC 137 - Highway 76

SITE #: W6
HPO: 401 770 990
LHRS/OFFSET: 47850 3.1

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	7,625	1,450	19.0
1985	7,700	1,400	18.2
1986	7,700	1,450	18.8
1987	8,300	2,200	26.5
1988	8,850	2,200	24.9
1989	8,900	2,400	27.0
1990	9,000	2,300	25.6

HIGHWAY 401 - West Bound

PETRO-CANADA

Between IC 63 - E. Jct Highway 2, Tilbury
and IC 56 - W. Jct Highway 2, Tilbury

SITE #: W7
HPO: 401 910 991
LHRS/OFFSET: 47940 0.6

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	5,900	1,050	17.8
1985	5,950	1,200	20.2
1986	6,150	1,200	19.5
1987	6,500	1,250	19.2
1988	7,050	1,050	14.9
1989	8,100	1,300	16.0
1990	8,200	1,300	15.9

SERVICE CENTRES

HIGHWAY 401 - East Bound — SHELL

Between IC 63 - E. Jct Highway 2, Tilbury — SITE #: W8
and IC 56 - W. Jct Highway 2, Tilbury — HPO: 401 910 992
LHRS/OFFSET: 47940 0.5

YEAR	1/2 AADT OF HWY VOLUME	AADT S.C. RAMP	% OF HIGHWAY AADT
1984	5,900	900	15.3
1985	5,950	900	15.1
1986	6,150	1,025	16.7
1987	6,500	1,250	19.2
1988	7,050	1,600	22.7
1989	8,100	2,000	24.7
1990	8,200	1,900	23.2

Appendices

a. Glossary

b. Adjustment Factor Tables

c. Correspondence Regarding Ambassador Bridge Border Crossing Data.

GLOSSARY

Adjustment Factors	AADT/AWD or AADT/ADT. Factors used to estimate AADT from short-term manual or machine count data.
AADT	Annual Average Daily Traffic; defined as the average twenty-four hour, two way traffic for the period January 1st to December 31st.
ADT	Average Daily Traffic; defined as the average twenty four hour, two way traffic for the specified period, weekend included.
AWD	Average Weekday Traffic; defined as the average twenty-four hour, two way traffic for the specified period. Weekends and Statutory holidays are excluded.
DHV	Design Hour Volume; defined as the 30th highest hourly volume of the year measured at a PCS location.
Directional Split	Defined as a measure of the division of traffic in opposing flows.
Foreign Component %	Defined as the number of vehicles without a Canadian licence plate entering Ontario; expressed as a percent of total vehicles.
Highway Section	Defined as a length of highway which has similar traffic volumes, seasonal variation, and related traffic characteristics.
Ferry Departures	Defined as the number of sailings or crossings made by a ferry.
Seasonal Variation Factors	ADT/AADT and AWD/AADT. Indicates the relationship of traffic volumes to the AADT for the specified time period.

Appendix b

A.W.D. ADJUSTMENT FACTORS FOR USE IN 1991

	PATTERN TYPE AND P.C.S.#	JAN1 JAN2	FEB1 FEB2	MAR1 MAR2	APR1 APR2	MAY1 MAY2	JUN1 JUN2	JUL1 JUL2	AUG1 AUG2	SEP1 SEP2	OCT1 OCT2	NOV1 NOV2	DEC1 DEC2
COMMUTER	URBAN COMM. 34,74,75	.99 .98	.98 .95	.94 .93	.93 .91	.90 .88	.89 .87	.89 .90	.88 .86	.88 .90	.92 .94	.97 .98	.96 .95
	SUBURBAN COMMUTER 22	1.05 1.01	1.02 1.01	1.03 1.01	.97 .94	.89 .86	.84 .81	.84 .87	.83 .83	.87 .89	.90 .91	.89 .90	.95 .95
	COMMUTER 31,45,77,90	1.13 1.11	1.16 1.12	1.04 1.02	1.01 .98	.96 .94	.93 .90	.91 .91	.91 .90	.96 .99	.97 .98	.99 1.01	1.06 1.01
INTERMEDIATE	INTERMEDIATE COMMUTER 30	1.16 1.13	1.13 1.10	1.07 1.05	1.02 .98	.96 .94	.93 .91	.89 .89	.89 .91	.96 .97	.95 1.01	1.03 1.04	1.04 1.00
	COMMUTER REC. 37	1.20 1.18	1.15 1.15	1.13 1.14	1.16 1.12	1.02 1.00	.96 .92	.85 .83	.87 .88	.98 1.00	1.10 1.12	1.03 1.06	1.17 1.09
	INTER. REC. 4,32,35,43,91	1.49 1.47	1.39 1.35	1.28 1.22	1.21 1.15	1.14 1.10	1.05 .98	.94 .92	.90 .91	1.07 1.11	1.12 1.19	1.18 1.25	1.31 1.22
	COM. TOURIST REC. 2	1.26 1.26	1.28 1.22	1.07 1.12	1.13 1.08	1.06 1.02	.99 .93	.85 .82	.83 .85	.99 1.02	1.03 1.11	1.12 1.16	1.14 1.07
	INTERMEDIATE TOURIST 27	1.37 1.36	1.29 1.26	1.20 1.18	1.14 1.08	1.05 1.02	.95 .87	.80 .76	.76 .79	.91 .95	.96 1.02	.96 1.04	1.18 1.03
TOURIST	LOW TOURIST 33,47	1.44 1.40	1.41 1.36	1.29 1.25	1.22 1.17	1.05 .94	.88 .79	.72 .71	.71 .74	.87 .93	.93 1.08	1.22 1.35	1.36 1.32
	TOURIST 69	1.62 1.69	1.64 1.59	1.57 1.59	1.54 1.37	1.14 .89	.79 .67	.52 .54	.61 .66	.95 1.04	1.12 1.34	1.55 1.73	1.64 1.69
	HIGH TOURIST 68	2.62 2.71	2.63 2.47	2.07 1.89	1.79 1.57	1.19 .75	.71 .54	.52 .50	.58 .65	1.06 1.32	1.43 1.58	1.90 1.96	1.76 2.25
REC	LOW REC. 5,86	2.08 2.03	2.01 1.93	1.79 1.69	1.66 1.52	1.35 1.21	1.14 .95	.76 .71	.70 .75	1.11 1.17	1.23 1.46	1.59 1.73	1.81 1.66
	RECREATION 36	2.76 2.62	2.52 2.40	2.12 2.01	2.00 1.72	1.47 1.22	1.20 .96	.77 .69	.70 .76	1.12 1.19	1.17 1.51	1.68 1.99	2.23 1.91
	HIGH REC. 28	2.20 2.22	2.15 2.12	1.90 1.83	1.79 1.66	1.41 1.10	1.19 .85	.69 .64	.66 .75	1.19 1.38	1.44 1.61	1.72 2.00	2.11 1.89

A.W.D. ADJUSTMENT FACTORS FOR USE IN 1991

UNCLASS.												
	RAMP	.96	.96	.94	.90	.86	.87	.88	.91	.87	.88	.89	.91
	24,44	.93	.94	.93	.87	.85	.86	.92	.88	.88	.88	.90	.90
	KALADAR	1.87	1.69	1.57	1.52	1.29	1.17	.93	.81	1.19	1.22	1.47	1.79
	41	1.90	1.72	1.55	1.43	1.15	1.04	.87	.84	1.23	1.40	1.63	1.61
	MASSEY	1.54	1.41	1.25	1.24	1.06	.95	.75	.70	.89	.94	1.24	1.40
	49	1.45	1.40	1.33	1.15	.99	.83	.71	.74	.94	1.08	1.31	1.25
	BURLINGTON	1.28	1.24	1.16	1.14	.90	.86	.81	.77	.86	.90	1.02	1.05
	50	1.27	1.22	1.16	1.09	.87	.83	.80	.78	.89	.93	1.04	1.02

* AVERAGE OF 3 YEARS: 1988, 1989, 1990

** A.A.D.T. = A.W.D. * FACTOR

A.D.T. ADJUSTMENT FACTORS FOR USE IN 1991

	PATTERN TYPE AND P.C.S.#	JAN1 JAN2	FEB1 FEB2	MAR1 MAR2	APR1 APR2	MAY1 MAY2	JUN1 JUN2	JUL1 JUL2	AUG1 AUG2	SEP1 SEP2	OCT1 OCT2	NOV1 NOV2	DEC1 DEC2
COMMUTER	URBAN COMM. 34,74,75	1.07 1.06	1.06 1.02	1.01 1.00	1.00 .97	.96 .95	.96 .94	.95 .96	.94 .92	.94 .97	.99 1.01	1.03 1.05	1.04 1.00
	SUBURBAN COMMUTER 22	1.15 1.11	1.13 1.12	1.12 1.10	1.05 1.00	.94 .92	.89 .87	.91 .93	.90 .89	.93 .94	.96 .98	.97 .98	1.04 1.02
	COMMUTER 31,45,77,90	1.18 1.16	1.20 1.16	1.06 1.04	1.03 .99	.97 .94	.93 .91	.91 .90	.90 .90	.96 .98	.98 1.00	1.01 1.04	1.10 1.05
INTERMEDIATE	INTERMEDIATE COMMUTER 30	1.21 1.18	1.18 1.16	1.11 1.08	1.02 .99	.96 .93	.92 .89	.88 .88	.88 .89	.96 .97	.98 1.04	1.06 1.06	1.06 1.02
	COMMUTER REC. 37	1.20 1.18	1.17 1.17	1.13 1.14	1.18 1.10	.97 .95	.90 .86	.78 .78	.82 .83	.93 .95	1.08 1.13	1.05 1.07	1.19 1.12
	INTER. REC. 4,32,35,43,91	1.39 1.35	1.26 1.21	1.17 1.13	1.11 1.03	.99 .97	.93 .86	.82 .79	.80 .80	.94 .97	1.02 1.06	1.07 1.13	1.24 1.19
	COM. TOURIST REC. 2	1.26 1.24	1.29 1.21	1.05 1.08	1.09 1.03	1.00 .97	.95 .89	.82 .79	.80 .81	.94 .98	1.01 1.07	1.09 1.11	1.14 1.11
	INTERMEDIATE TOURIST 27	1.48 1.46	1.36 1.30	1.26 1.25	1.21 1.11	1.08 1.04	.97 .88	.76 .73	.76 .77	.93 .97	1.01 1.07	1.03 1.10	1.31 1.14
TOURIST	LOW TOURIST 33,47	1.46 1.41	1.42 1.36	1.29 1.24	1.23 1.15	1.02 .89	.84 .77	.70 .69	.70 .72	.85 .90	.92 1.06	1.21 1.33	1.36 1.33
	TOURIST 69	1.65 1.72	1.63 1.56	1.50 1.54	1.51 1.29	1.09 .86	.78 .63	.51 .53	.59 .65	.90 1.01	1.10 1.30	1.49 1.71	1.65 1.68
	HIGH TOURIST 68	2.70 2.70	2.57 2.40	2.08 1.90	1.71 1.47	.91 .59	.56 .48	.48 .47	.56 .61	.96 1.23	1.40 1.53	1.75 2.13	1.98 2.23
REC	LOW REC. 5,86	1.86 1.74	1.76 1.68	1.58 1.52	1.48 1.32	1.09 .98	.86 .76	.60 .56	.58 .62	.90 .94	1.04 1.24	1.38 1.54	1.65 1.62
	RECREATION 36	2.34 2.11	2.09 1.93	1.73 1.72	1.70 1.38	1.12 .96	.87 .73	.59 .53	.56 .58	.87 .90	.94 1.17	1.32 1.63	2.00 1.90
	HIGH REC. 28	2.06 1.99	1.84 1.85	1.70 1.60	1.56 1.35	1.12 .80	.86 .68	.53 .51	.54 .59	1.10 1.12	1.16 1.35	1.44 1.78	1.95 1.87

A.D.T. ADJUSTMENT FACTORS FOR USE IN 1991

UNCLASS.												
	RAMP	1.05	1.06	1.03	.98	.94	.95	.99	.99	.95	.97	.97	.99
	24,44	1.03	1.04	1.02	.95	.94	.95	1.02	.97	.96	.96	.98	.96
	KALADAR	1.68	1.40	1.36	1.32	1.05	.94	.75	.67	.97	1.08	1.17	1.55
	41	1.62	1.49	1.35	1.23	.97	.85	.69	.70	.99	1.14	1.34	1.51
	MASSEY	1.56	1.39	1.21	1.20	1.02	.92	.72	.69	.89	.94	1.19	1.38
	49	1.46	1.39	1.27	1.11	.96	.83	.69	.71	.91	1.03	1.28	1.27
	BURLINGTON	1.35	1.32	1.22	1.18	.93	.89	.82	.79	.88	.94	1.04	1.09
	50	1.33	1.31	1.20	1.13	.90	.86	.82	.79	.90	.96	1.05	1.03

* AVERAGE OF 3 YEARS: 1988, 1989, 1990

** A.A.D.T. = A.D.T. * FACTOR

S.A.D.T., S.A.W.D.T., W.A.D.T. AND D.H.V. FACTORS FOR 1991

	PATTERN TYPE	PCS #	MULTIPLY A.A.D.T. BY			
			SADT	SAWDT	WADT	DHV %
COMMUTER	URBAN COMMUTER	34,74 75	1.07	1.16	.95	9.3
	SUBURBAN COMMUTER	22	1.10	1.20	.89	11.9
	COMMUTER	31,45 77,90	1.11	1.11	.90	9.8
INTERMEDIATE	INTERMEDIATE COMMUTER	30	1.14	1.12	.89	10.1
	COMMUTER RECREATION	37	1.24	1.15	.90	10.4
	INTERMEDIATE RECREATION	4,32,35 43,91	1.27	1.11	.82	12.7
	COM. TOURIST RECREATION	2	1.25	1.18	.87	9.7
	INTERMEDIATE TOURIST	27	1.27	1.24	.84	12.3
TOURIST	LOW TOURIST	33,47	1.46	1.40	.73	13.0
	TOURIST	69	1.82	1.74	.62	17.4
	HIGH TOURIST	68	2.00	1.80	.45	21.5
REC	LOW RECREATION	5,86	1.75	1.39	.63	22.2
	RECREATION	36	1.87	1.45	.54	20.3
	HIGH RECREATION	28	1.84	1.46	.59	26.2

S.A.D.T., S.A.W.D.T., W.A.D.T. AND D.H.V. FACTORS FOR 1991

UNCLASS.	RAMP	24,44	1.02	1.15	.96	10.3
	KALADAR	41	1.51	1.18	.71	23.2
	MASSEY	49	1.45	1.38	.76	13.5
	BURLINGTON	50	1.26	1.28	.81	10.4